



Adolescent and Teenage Pregnancy Report Kansas, 2013

Research Summary

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Our Vision – Healthy Kansans Living in Safe and Sustainable Environments

Our Mission – To protect and improve the health and environment of all Kansans

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Executive Summary

Maintaining and improving family health is an essential component of the state's public health mission. Teen pregnancy accounts for a sizable burden on society. According to the Centers for Disease Control and Prevention (CDC), it is a "winnable battle." The Kansas Department of Health and Environment (KDHE) prepares this report annually to provide data to support assessment and evaluation of teen pregnancies in Kansas. KDHE has a number of programs directed at reducing teen pregnancy.

Pregnancy rates among Kansas resident females aged 10-19 dropped by 13.2 percent from 2012 to 2013. Rates among females aged 10-17, 15-17 and 18-19 as individual age groups also dropped in 2013.

The 2013 Kansas pregnancy rate among females 15-17 years of age (14.6 per 1,000 population) compares favorably with the Healthy People 2020 national target of 36.2 pregnancies per 1,000 age group-specific female population. The state pregnancy rate for females aged 18-19 (62.4 per 1,000 population) also compares favorably with the Healthy People 2020 national target of 105.9 pregnancies per 1,000 age group specific female population.

While Kansas had lower teen pregnancy rates than the national targets, the state's birth rate for females aged 15-19 remained higher than the national rate. While teen birth rates for both Kansas and the U.S. have been declining since 2008, the gap between Kansas and the U.S. rate has narrowed. In 2013, the Kansas rate decreased 13.2 percent, while the preliminary U.S. rate decreased 9.5 percent.

Disparities continue to exist among population groups in Kansas. For example, pregnancy rates examined in 2012 and 2013, showed Black non-Hispanic and Hispanic teens between the ages of 10-17 years were slightly less than two and three times higher, respectively, than the rate for White non-Hispanics of the same age group in 2012. In 2013, Hispanic and Black non-Hispanic pregnancy rates among 10-17 year-olds decreased 9.4 percent and 24.5 percent, respectively, from 2012 to 2013, while the comparable White non-Hispanic rate decreased 17.0 percent during that time period.

Introduction

Maintaining and improving family health is an essential component of the public health mission of KDHE. Facilitating healthy pregnancies and positive birth outcomes pays dividends to Kansas society in the form of reduced maternal and infant mortality and fit children capable of learning and growing into productive adults.

It is in this role that the department, through the Division of Health's Bureau of Epidemiology and Public Health Informatics (BEPHI), provides this report so progress in reducing adolescent and teen pregnancy can be monitored. The report, first produced in 1995, informs policy makers, local health departments, program managers, and the public on teen pregnancy outcomes and trends over the past 20 years. Statistics

contained herein enable evaluation of progress on this public health issue and identification of emerging concerns.

Adolescent and teenage pregnancy accounts for more than \$9 billion per year in costs to U.S. taxpayers for increased health care and foster care, increased incarceration rates among children of teen parents and lower educational attainment and income among teen mothers [1]. Pregnancy and birth represent significant contributors to high school dropout rates among girls. About 50 percent of teen mothers receive a high school diploma by age 22 compared to 90 percent of women who did not give birth during adolescence [2]. The children of teenage mothers are more likely to have lower school achievement and to drop out of high school, have more health problems, be incarcerated at some time during adolescence, give birth as a teenager, and face unemployment as a young adult [3]. These effects remain for teenage mothers and their children even after adjusting for factors that can increase a teenager's risk of pregnancy, such as growing up in poverty, having parents with low levels of education, growing up in a single-parent family, and having low attachment to and performance in school [4].

The U.S. Centers for Disease Control and Prevention has declared teen pregnancy as one of its ten winnable battles in public health [5]. The nation's Healthy People 2020 objective is to reduce pregnancies among adolescent females aged 15-17 to 36.2 pregnancies per 1,000 age group-specific female population and females aged 18-19 to 105.9 per 1,000 age group-specific female population[6].

KDHE is active in a number of areas to reduce teen and adolescent pregnancies, including the Teen Pregnancy Targeted Case Management (TPTCM) Program and the Kansas Abstinence Education Program. The TPTCM programs provide comprehensive case management services to pregnant or parenting adolescents in Kansas communities. The Abstinence Education Program concentrates mentoring and teen pregnancy prevention training of foster care parents and children in foster care. Education, resources and support services for youth and their families include: a) website (<http://gonnawait.org>), b) social media development and use, c) proven effective curricula development and implementation, and d) educational programs in school and community settings [7]. KDHE, through its Bureau of Family Health, has set a goal to "reduce teenage pregnancy and resulting health, educational, economic and social consequences for mother and child" [8].

Methods

The BEPHI Office of Vital Statistics receives reports of births that occur in Kansas. Reporting of Kansas vital events to KDHE is mandated by law (K.S.A. 65-102, K.S.A. 65-2422b, K.S.A. 65-445). The filing of birth and death records began in 1911. Records of births to Kansas residents that occur in other states are received via Interstate Jurisdictional Exchange. All statistics reported are based on pregnancies among women who were Kansas residents at the time of birth or termination of pregnancy.

KDHE collects birth certificate information consistent with the 2003 U.S. Standard Certificate. Data collected since 2005 are based on the standard certificate as modified for use in Kansas. BEPHI uses an 18 month reporting period when creating an analytical file. Thus all births that occur in a given year, reported during that year or the first six months of the year following, are included in the analytical file. Data used in this report are for 2013. The analytical file is considered 99.99 percent complete.

All birth records undergo a two-step quality improvement process. First, Office of Vital Statistics staff manually review paper certificates for missing or illogical information. The Vital Statistics Data Analysis section performs computerized checks of the data on an ongoing basis and once prior to closing the analytical file. Corrections or imputation occurs to geographic information, sex of the child, and mother's age. See the technical notes for the *Kansas Annual Summary of Vital Statistics, 2013* for more information [9].

Statistical tabulations were created using SAS software 9.3. Some of the tables contained in this report are also included in the *Kansas Annual Summary of Vital Statistics, 2013*. This is done to enhance the utility of this report to readers. In this report, the reader will also see a number of different combinations of age-groups, i.e., 10-14, 10-17, 15-17, 18-19, and 10-19, used in the tabulations. This is done to provide the diverse audience of legislators, policy makers, media, program administrators, and the public who closely monitor pregnancy issues with a data summary that meets their needs. Findings tested for statistical significance will be noted in the Results and Discussion sections.

For the purposes of this report "adolescent and teen" refers to persons who range in age from 10 to 19. Pregnancies are defined as stillbirths, abortions, and live births. Readers will be able to review both the frequency of adolescent and teen pregnancies and the population-based rates. Using the population-based rates, comparisons among counties or between county and state are possible. Multi-year rates are prepared for those instances where low counts may inordinately influence a single-year rate. All rates use as the denominator the female population estimates for the age group represented in the numerator. All statistics are based on residence data unless otherwise noted.

Items for which no response was provided are shown as "not stated" (n.s.) in tables and graphs throughout this publication. To ensure statistical accuracy, the "not stated" count is subtracted from the denominator when calculating rates and percentages.

Adolescent and teen pregnancies and births in most Kansas counties are relatively low-frequency events. In such instances, small numerical changes may have a large impact on annual rates. The use of multi-year rates attempts to mitigate the effect of small frequencies. This report uses significance testing to determine whether a county's multi-year teen pregnancy rate is statistically significantly different than the state's rate for the same time period.

The Adequacy of Prenatal Care Utilization (APNCU) Index (or Kotelchuck Index) attempts to characterize prenatal care (PNC) utilization based on two independent and distinct dimensions: adequacy of initiation of PNC and the number of prenatal care visits received once care has begun. However, the index does not assess the quality of

prenatal care delivered. The APNCU, through the categories of inadequate, intermediate, adequate, and adequate plus, characterizes the adequacy of pregnancy-related health services provided to a woman between conception and delivery [10].

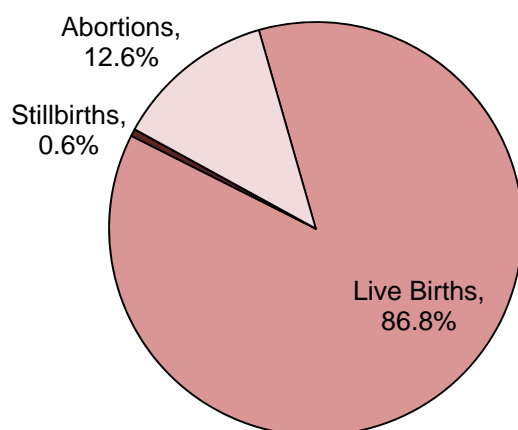
Results and Discussion

Only selected findings are discussed in this section. Additional detailed tables and figures are provided to support evaluation by county or other characteristics.

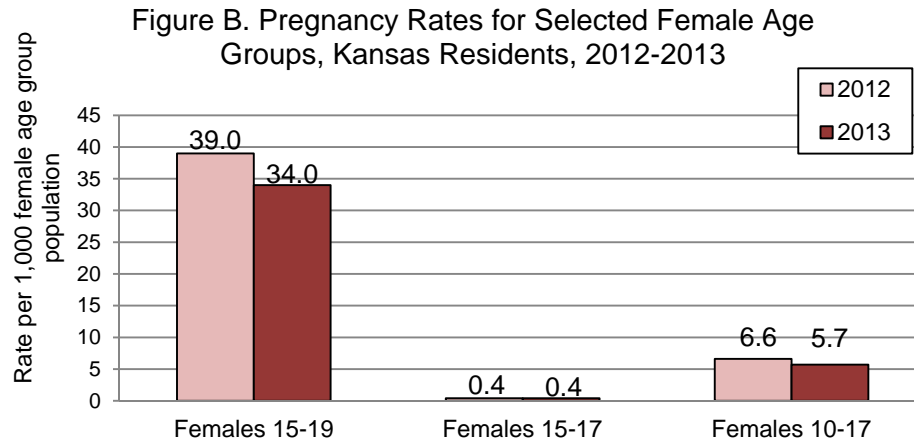
Females aged 10-19 accounted for 7.8 percent (3,335) of the 42,743 pregnancies in 2013. Of those pregnancies, 86.9 percent resulted in a live birth (2,897), 12.6 percent in abortion (419), and the remainder in stillbirths (19) (Figure A, Table 1).

The pregnancy rate for females aged 10-19 was 17.1 per 1,000 age group specific female population in 2013, down 13.2 percent from 2012 (19.7 per 1,000 population) (Table 2).

Figure A. Pregnancy Outcomes among Females Aged 10-19 Years, Kansas, 2013 (n=3,335)

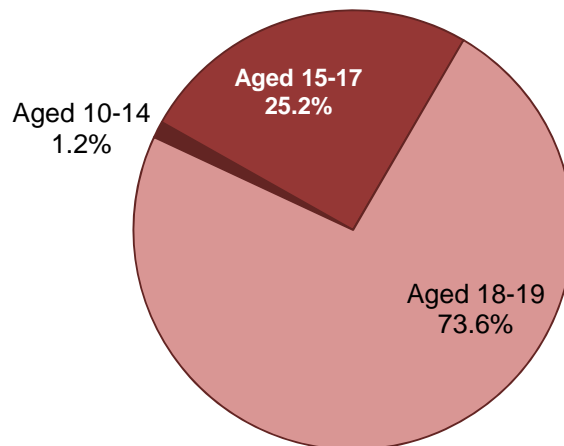


The pregnancy rate for females aged 10-17 dropped 13.6 percent to 5.7 per 1,000 age group specific female population in 2013 from 6.6 in 2012. The 2013 rate for females aged 15-19, 34.0 per 1,000, dropped 12.8 percent from the 2012 rate of 39.0 per 1,000. The rate for females aged 10-14 in 2013, at 0.4 per 1,000, stayed the same as in 2012. (Figure B, Table 2).



Seven out of 10 (73.6%) pregnant adolescents and teens were 18-19 years of age, 25.2 percent were 15-17 years of age, and 1.2 percent were 10-14 years of age (Table 2, Figure C).

Figure C. Percentage of Adolescent and Teen Pregnancies by Female Age Group, Kansas, 2013 (n=3,335)

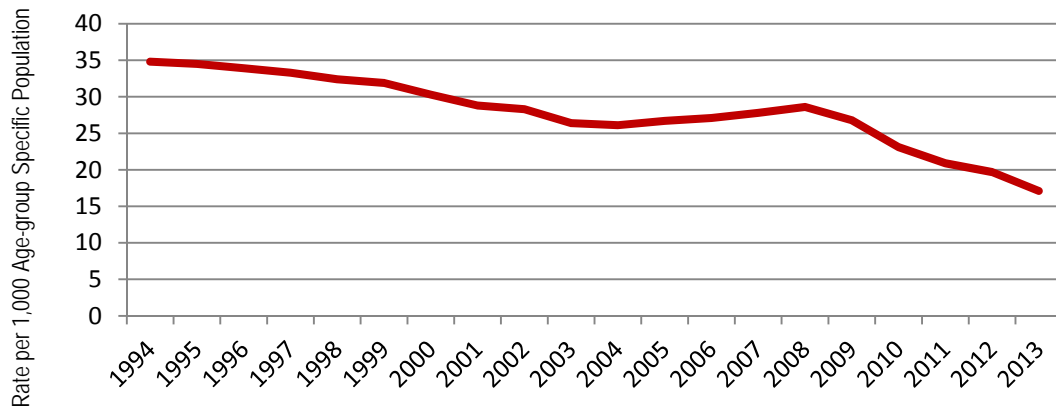


The Kansas teenage pregnancy rates for females 15-19 years of age decreased 52.7 percent between 1994 and 2013. Teen pregnancy rates for females aged 10-17 decreased 64.2 percent during this same time period (Table 2, Figure 1).

Trends 2013

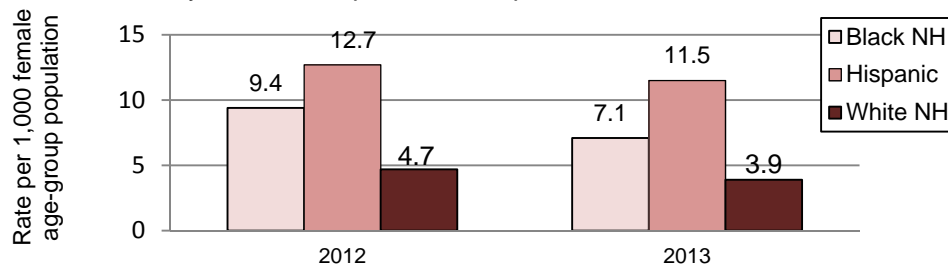
The number and single year rate of adolescent and teenage pregnancies (aged 10-19) decreased in 2013, continuing the decline that began in 2009 after a series of increases between 2004 and 2008. The longer term trend (1994-2013) has declined significantly. A Joinpoint regression analysis showed an APC (Annual Percentage Change) = -2.70, $p < .05$. (Table 2, Figure D).

Figure D. Pregnancy Rates among Females Aged 10-19 Years, Kansas, 1994-2013

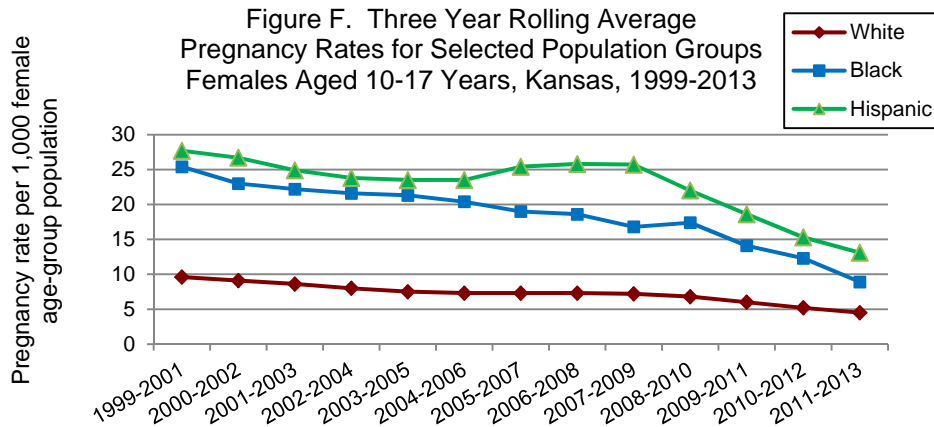


The pregnancy rate in 2012 among Black non-Hispanic adolescents and teens was about twice the pregnancy rate of White non-Hispanic adolescents and teens, while Hispanic adolescent and teen pregnancy rates were slightly less than three times the White non-Hispanic rate. All selected population groups of teens and adolescents declined again in 2013 (Figure E, Table 3). Black non-Hispanics had less than twice the rate of White non-Hispanics, and Hispanics continued to have slightly less than three times the rate of White non-Hispanics.

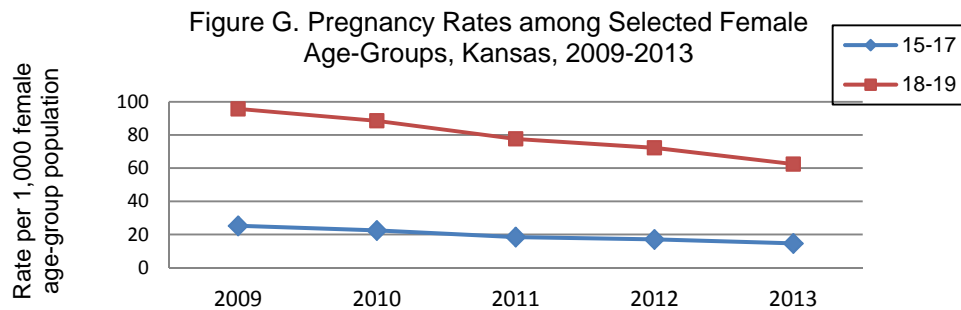
Figure E. Pregnancy Rates among Females Aged 10-17 Years by Selected Population Groups, Kansas, 2011-2013



Trends of three year rolling averages from 1999 through 2013 show overall declining trends in pregnancy rates among Black and White non-Hispanic and Hispanic adolescents and teens 10-17 years of age, (Figure F).



In 2013, pregnancy rates among females 15-17 years of age, (14.6 per 1,000 population) and females aged 18-19 (62.4 per 1,000 population) were the lowest rates in five years for both age-groups, with a steady decline from 2009-2013. Both rates compare favorably with the Healthy People 2020 national targets of 36.2 pregnancies per 1,000 age-group-specific female population among females aged 15-17 years and 72.2 per 1,000 age-group-specific population among females aged 18-19 years (Table 2, Figure G).



Geographic Detail

Five-year (2009-2013) county pregnancy rates for females aged 15-19 were compared to the state rate and tested for statistically significant differences. Rates for 17 counties were significantly higher than the state rate, and rates for 23 counties were significantly lower than the state rate. Rates for 49 counties were not statistically significantly different from the state rate, while the number of pregnancies among adolescents and teens in 16 counties was too small (under 20 pregnancies) for reliable rate comparisons (Figure 4).

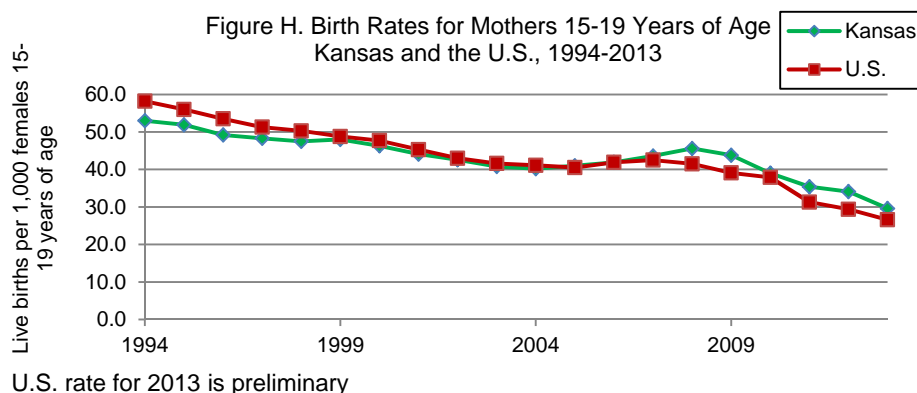
Five-year pregnancy rates for females aged 15-19 ranged from a low of 7.0 per 1,000 age group-specific female population in Lane County to a high of 88.3 per 1,000 age group-specific female population in Geary County (Table 4). These rates were compared to the five-year state rate of 42.1 per 1,000 female age group specific population. The number of teen pregnancies in Lane County, however, was too few for the rate to be considered reliable. Therefore, Douglas county had the lowest reliable rate of 16.9 per 1,000 population and was significantly lower than the state rate, while the Geary county rate was significantly higher than the state rate, ($p < .05$).

In 2013, densely-settled rural counties had the highest pregnancy rates for 10-19 year old females (19.2 per 1,000 population), followed by semi-urban (17.8 per 1,000 population) and urban (16.7 per 1,000 population) counties (Table 1).

The five-year (2009-2013) teen pregnancy rate for Kansas resident females 10-19 years of age was 21.5 per 1,000 age group-specific female population. The lowest five-year rate in the state was in Lane County with 3.4 pregnancies per 1,000 females 10-19 years of age. The highest rate was in Seward County with 42.7 pregnancies per 1,000 females 10-19 years of age (Table 5).

Birth Rates

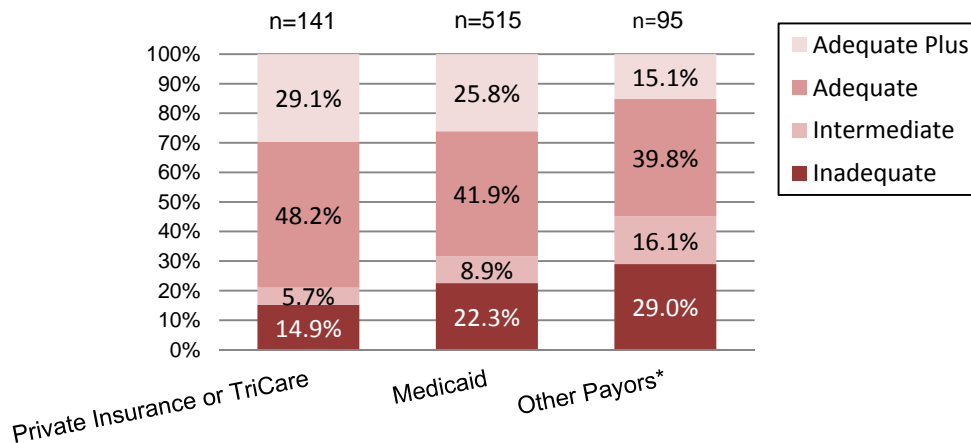
In 2013, the birth rate for Kansas mothers aged 15-19 (29.6 per 1,000 population) dropped by 13.2 percent from 2012 (34.1 per 1,000 population). During the 20-year period from 1994 to 2013, birth rates for Kansas mothers 15-19 years of age decreased by 44.2 percent (Figure H). For 11 years (1994 – 2004), the Kansas rate was lower than the U.S. rate for births to teens aged 15-19. Since 2005, the U.S. rate has dropped faster than the Kansas rate. In 2013, the Kansas birth rate was higher than the preliminary U.S. birth rate by 3.0 percentage points [11].



Adequacy of Prenatal Care

Adequacy of prenatal care was examined for adolescents/teens aged 10-17 years by primary payor. The adequate prenatal care percentage was higher in 2013 among adolescents for whom the primary pay source for delivery was private insurance or TRICARE (77.3%, 95% CI: 70.4-84.2) than for adolescents with Medicaid (67.7%, 95% CI: 44.6- 65.2) or other pay sources (54.9%, 95% CI: 44.9-64.9) (Figure I). Of the 882 live births to Kansas mothers aged 10-17, six were excluded because payor was unknown, while 125 live births were excluded due to insufficient data for APNCU index calculation (Figure I).

Figure I. Adequacy of Prenatal Care by Selected Payors* among Adolescents Aged 10-17 Years who had Live Births, Kansas, 2013



*Other payors include other government, self-pay, Indian Health Services, other payor and unknown payor.

Conclusions

Pregnancy rates continued to decline among Kansas females aged 10-19 in 2013. Declines were seen in age groups 10-17, 15-17 and 18-19, with rates comparing favorably with the Healthy People 2020 national targets of 36.2 and 105.9 per 1,000 female age group populations for aged 15-17 and 18-19, respectively [6] (Table 1). Furthermore, the national birth rate for teens aged 15-19 fell by 9.5 percent according to preliminary 2013 figures released by the National Center for Health Statistics, while the Kansas birth rate decreased by 13.2 percent [11].

Birth rates among White non-Hispanic, Black non-Hispanic and Hispanic adolescents and teens aged 10-17 years decreased from 2012 to 2013. While Black non-Hispanic and Hispanic adolescent teen birth and pregnancy rates declined in 2013 from 2012, both population groups remained higher than White non-Hispanic pregnancy and birth rates (Table 3). Among older teens, aged 18-19 years, White non-Hispanic, Black non-Hispanic and Hispanic pregnancy rates and birth rates declined (Table 7).

Pregnant women who receive inadequate prenatal care are at increased risk of bearing infants who have low birth weight, are stillborn, or die within the first year of life [12]. Inadequate prenatal care is strongly associated with preterm birth among adolescents [13]. Disparities were found among 10-17 year olds receiving less than adequate or inadequate prenatal care when private insurance or TRICARE was the primary payor vs. Medicaid and other agencies as the primary payor. Adolescents with private insurance or TRICARE had lower percentages of inadequate or less than adequate care than those with Medicaid and other agencies as payor (Figure I).

Limitations

This report's findings are subject to at least one limitation. An important concern is the issue of receiving vital events from other states within the KDHE reporting deadline. Vital statistics are gathered on an occurrence basis but are traditionally reported on a residence basis. For complete residence statistics, reports must be received from other states for events occurring to Kansas residents. These events are reported for a full calendar year. Because of delays or other late reporting, some vital event reports have not been received by KDHE by the cutoff date of June 30 of the year following the event year. Past evaluations indicate that over 99 percent of all vital events to Kansas residents are received before the cutoff date.

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Detailed Tables and Figures

Table 1. Pregnancy* Numbers and Rates† by County of Residence
and Peer Group by Component and Age-Group
Females Aged 10-19 Years, Kansas, 2013

County of Residence	Live Births		Stillbirths		Abortions		Total Pregnancies			Teenage Preg. Rates
	Age-Group		Age-Group		Age-Group		Age Group			Age-Group
	10-14	15-19	10-14	15-19	10-14	15-19	10-14	15-19	10-19	10-19
Allen	0	9	0	0	0	2	0	11	11	13.0
Anderson	0	7	0	0	0	0	0	7	7	13.5
Atchison	0	24	0	0	0	2	0	26	26	19.6
Barber	0	4	0	0	0	0	0	4	4	14.4
Barton	0	29	0	0	0	3	0	32	32	17.8
Bourbon	1	21	0	0	0	2	1	23	24	24.8
Brown	0	12	0	0	0	0	0	12	12	19.3
Butler	2	47	0	0	0	7	2	54	56	11.2
Chase	0	1	0	0	0	0	0	1	1	5.7
Chautauqua	0	6	0	0	0	0	0	6	6	31.9
Cherokee	0	28	0	0	0	0	0	28	28	19.5
Cheyenne	1	3	0	0	0	0	1	3	4	31.3
Clark	0	2	0	0	0	0	0	2	2	13.4
Clay	0	6	0	0	0	2	0	8	8	16.0
Cloud	0	11	0	0	0	1	0	12	12	19.7
Coffey	0	4	0	0	0	0	0	4	4	6.9
Comanche	0	2	0	0	0	0	0	2	2	13.8
Cowley	0	53	0	0	0	2	0	55	55	22.0
Crawford	0	45	0	1	0	4	0	50	50	18.9
Decatur	0	6	0	0	0	0	0	6	6	37.5
Dickinson	0	10	0	0	0	2	0	12	12	9.5
Doniphan	0	8	0	0	0	2	0	10	10	18.2
Douglas	0	52	0	0	2	22	2	74	76	9.2
Edwards	0	1	0	0	0	0	0	1	1	5.0
Elk	0	3	0	0	0	0	0	3	3	19.6
Ellis	0	23	0	0	0	7	0	30	30	16.7
Ellsworth	1	2	0	0	0	0	1	2	3	10.6
Finney	0	77	0	0	0	7	0	84	84	28.3
Ford	1	67	0	0	0	3	1	70	71	27.4
Franklin	0	30	0	0	0	2	0	32	32	18.2
Geary	1	63	0	0	2	5	3	68	71	32.2
Gove	0	0	0	0	0	0	0	0	0	0.0
Graham	0	3	0	0	0	1	0	4	4	28.4
Grant	0	17	0	0	0	1	0	18	18	27.7
Gray	0	7	0	0	0	0	0	7	7	13.9
Greeley	0	0	0	0	0	0	0	0	0	0.0
Greenwood	0	7	0	0	0	1	0	8	8	21.8
Hamilton	0	5	0	0	0	0	0	5	5	30.9
Harper	0	7	0	0	0	0	0	7	7	20.7
Harvey	0	44	0	0	0	2	0	46	46	19.1
Haskell	0	8	0	0	0	0	0	8	8	23.6
Hodgeman	0	1	0	0	0	0	0	1	1	8.5
Jackson	0	13	0	0	0	1	0	14	14	15.4
Jefferson	0	6	0	0	0	2	0	8	8	6.4
Jewell	0	4	0	0	0	0	0	4	4	26.1
Johnson	4	193	0	1	0	97	4	291	295	7.7
Kearny	0	4	0	0	0	1	0	5	5	18.6
Kingman	0	9	0	0	0	0	0	9	9	17.4
Kiowa	0	1	0	0	0	0	0	1	1	5.6
Labette	0	23	0	0	1	2	1	25	26	20.8
Lane	0	1	0	0	0	0	0	1	1	7.9
Leavenworth	0	67	0	1	1	12	1	80	81	16.3
Lincoln	0	1	0	0	0	0	0	1	1	5.0
Linn	0	10	0	0	0	1	0	11	11	16.8
Logan	0	2	0	0	0	0	0	2	2	13.1

**Table 1. Pregnancy* Numbers and Rates† by County of Residence
and Peer Group by Component and Age-Group
Females Aged 10-19 Years, Kansas, 2013**

County of Residence	Live Births		Stillbirths		Abortions		Total Pregnancies			Teenage Preg. Rates
	Age-Group		Age-Group		Age-Group		Age Group			Age-Group
	10-14	15-19	10-14	15-19	10-14	15-19	10-14	15-19	10-19	10-19
Lyon	1	40	0	2	2	5	3	47	50	20.8
McPherson	0	18	0	0	0	1	0	19	19	9.7
Marion	0	5	0	0	0	0	0	5	5	6.5
Marshall	0	8	0	0	0	0	0	8	8	13.7
Meade	0	7	0	0	0	0	0	7	7	19.8
Miami	0	24	0	0	0	4	0	28	28	11.8
Mitchell	0	6	0	0	0	0	0	6	6	15.6
Montgomery	1	50	0	0	0	0	1	50	51	23.5
Morris	0	4	0	0	0	1	0	5	5	15.6
Morton	0	3	0	0	0	0	0	3	3	12.2
Nemaha	0	10	0	2	0	1	0	13	13	18.3
Neosho	0	17	0	0	0	0	0	17	17	15.0
Ness	0	1	0	0	0	0	0	1	1	5.3
Norton	0	7	0	0	0	0	0	7	7	23.6
Osage	0	10	0	0	0	3	0	13	13	11.9
Osborne	0	6	0	0	0	1	0	7	7	33.5
Ottawa	0	3	0	0	0	0	0	3	3	7.4
Pawnee	1	3	0	0	0	0	1	3	4	11.2
Phillips	0	2	0	0	0	0	0	2	2	5.3
Pottawatomie	0	9	0	0	0	1	0	10	10	5.9
Pratt	0	9	0	0	0	1	0	10	10	15.4
Rawlins	0	3	0	0	0	0	0	3	3	21.9
Reno	0	73	0	0	0	3	0	76	76	18.7
Republic	0	4	0	0	0	0	0	4	4	15.8
Rice	0	14	0	0	0	2	0	16	16	23.9
Riley	0	44	0	0	0	20	0	64	64	13.1
Rooks	1	1	0	0	0	1	1	2	3	9.5
Rush	0	1	0	0	0	0	0	1	1	5.8
Russell	0	5	0	0	0	2	0	7	7	17.9
Saline	0	66	0	0	0	13	0	79	79	22.5
Scott	0	5	0	0	0	1	0	6	6	17.6
Sedgwick	7	660	0	7	1	83	8	750	758	22.1
Seward	1	55	0	0	0	1	1	56	57	31.6
Shawnee	0	219	0	1	0	28	0	248	248	21.5
Sheridan	0	2	0	0	0	0	0	2	2	12.7
Sherman	0	8	0	0	0	0	0	8	8	21.4
Smith	0	2	0	0	0	0	0	2	2	9.3
Stafford	0	4	0	0	0	0	0	4	4	16.4
Stanton	0	2	0	0	0	0	0	2	2	13.9
Stevens	1	11	0	0	0	0	1	11	12	27.8
Sumner	0	23	0	0	0	3	0	26	26	15.6
Thomas	0	10	0	0	0	0	0	10	10	16.7
Trego	0	2	0	0	0	0	0	2	2	11.7
Wabaunsee	0	9	0	0	0	0	0	9	9	19.4
Wallace	0	1	0	0	0	0	0	1	1	8.8
Washington	0	1	0	0	0	0	0	1	1	2.9
Wichita	0	1	0	0	0	0	0	1	1	7.6
Wilson	0	8	0	0	0	0	0	8	8	13.5
Woodson	0	0	0	0	0	0	0	0	0	0.0
Wyandotte	6	302	0	4	2	34	8	340	348	31.8
n.s.	0	0	0	0	0	3	0	3	3	n/a
Kansas	30	2,867	0	19	11	408	41	3,294	3,335	17.1
Peer Group										
Frontier	2	101	0	0	0	5	2	106	108	15.7
Rural	3	234	0	2	0	14	3	250	253	15.2
Densely -Settled Rural	4	553	0	2	3	50	7	605	612	19.2
Semi-Urban	4	486	0	1	2	60	6	547	553	17.8
Urban	17	1,493	0	14	6	276	23	1,783	1,806	16.7

*Pregnancies include the sum of live births, stillbirths and abortions.

†Rate per 1,000 female age-group population.

Source: Bureau of Epidemiology and Public Health Informatics

Kansas Department of Health and Environment

Table 2
Pregnancy* Numbers and Rates# by Year by Age-Group
Females Aged 10-19 Years
Kansas, 1994-2013

Year	Teen (10-19) Pregnancies	Age-Group					Teen (10-19) Pregnancy Rate	Pregnancy Rate				
		10-14	15-17	18-19	10-17	15-19		10-14	15-17	18-19	10-17	15-19
1994	6,500	124	2,302	4,074	2,426	6,376	34.8	1.3	42.4	120.5	15.9	71.9
1995	6,552	153	2,332	4,067	2,485	6,399	34.5	1.6	41.3	117.6	16.1	69.5
1996	6,498	133	2,276	4,089	2,409	6,365	33.9	1.4	38.9	113.4	15.6	67.0
1997	6,469	123	2,260	4,086	2,383	6,346	33.3	1.3	37.4	110.4	15.3	64.7
1998	6,444	108	2,087	4,249	2,195	6,336	32.4	1.1	34.1	107.6	13.8	62.0
1999	6,402	103	1,979	4,320	2,082	6,299	31.9	1.1	32.4	106.3	13.1	60.7
2000	6,090	94	1,819	4,177	1,913	5,996	30.3	0.9	30.1	105.0	12.0	58.7
2001	5,818	79	1,819	3,920	1,898	5,739	28.8	0.8	30.2	101.4	11.9	56.0
2002	5,586	86	1,684	3,816	1,770	5,500	28.3	0.9	28.3	96.0	11.3	54.7
2003	5,174	73	1,559	3,542	1,632	5,101	26.4	0.8	26.6	92.9	10.5	51.3
2004	5,026	71	1,492	3,463	1,563	4,955	26.1	0.8	25.8	86.8	10.3	50.3
2005	5,044	69	1,483	3,492	1,552	4,975	26.7	0.8	25.7	85.1	10.4	50.8
2006	5,192	85	1,507	3,600	1,592	5,107	27.1	0.9	25.5	87.1	10.4	52.2
2007	5,268	70	1,573	3,625	1,643	5,198	27.8	0.8	26.8	93.1	10.9	53.2
2008	5,371	66	1,552	3,753	1,618	5,305	28.6	0.7	27.1	95.7	10.9	55.0
2009	5,036	56	1,417	3,563	1,473	4,980	26.8	0.6	25.2	88.5	10.0	51.6
2010	4,501	59	1,298	3,144	1,357	4,442	23.1	0.6	22.4	77.6	8.8	45.1
2011	4,095	70	1,063	2,962	1,133	4,025	20.9	0.7	18.4	72.2	7.3	40.8
2012	3,823	42	973	2,808	1,015	3,781	19.7	0.4	17.0	70.8	6.6	39.0
2013	3,335	41	841	2,453	882	3,294	17.1	0.4	14.6	62.4	5.7	34.0

*Pregnancies include the sum of live births, stillbirths and abortions.

#Rate per 1,000 female age-group population.

Residence data

Source: Bureau of Epidemiology and Public Health Informatics

Kansas Department of Health and Environment

Table 3
Pregnancy* Numbers and Rates† and Birth Rates by Year
by Selected Population Groups
Females 10-17 Years, Kansas, 1994-2013

Year	Number of Pregnancies			Pregnancy Rate			Birth Rate		
	White Non-Hispanic	Black Non-Hispanic	Hispanic	White Non-Hispanic	Black Non-Hispanic	Hispanic	White Non-Hispanic	Black Non-Hispanic	Hispanic
1994	1,629	403	344	12.7	37.8	38.1	8.6	32.9	24.0
1995	n/a†	n/a†	n/a†	n/a†	n/a†	n/a†	8.6	32.7	25.6
1996	1,642	376	325	12.5	34.7	31.6	8.1	27.6	28.1
1997	1,575	406	327	11.9	36.6	29.4	8.1	28.0	26.5
1998	1,462	319	325	11.1	28.2	27.5	7.4	22.1	23.6
1999	1,314	337	352	10.0	29.2	28.0	6.9	22.7	25.5
2000	1,184	293	385	9.3	24.9	29.1	6.5	19.6	25.4
2001	1,202	269	364	9.5	22.4	26.2	6.5	17.3	24.1
2002	1,078	267	364	8.7	21.8	24.9	5.9	16.2	23.6
2003	944	277	358	7.7	22.4	23.6	5.4	15.9	21.4
2004	901	248	351	7.5	20.7	22.9	5.7	15.7	20.7
2005	836	249	380	7.2	20.9	24.0	5.2	15.4	21.2
2006	866	236	408	7.3	19.5	23.6	5.2	14.0	20.9
2007	840	205	504	7.3	16.6	28.5	5.4	13.6	25.7
2008	842	239	460	7.4	19.6	25.4	5.6	15.2	23.3
2009	776	175	437	6.9	14.3	23.3	5.3	10.6	21.8
2010	661	185	416	6.0	18.4	18.2	4.9	14.2	17.1
2011	563	131	363	5.0	10.4	15.3	4.1	8.1	13.8
2012	524	117	310	4.7	9.4	12.7	3.9	7.2	12.0
2013	433	89	293	3.9	7.1	11.5	3.2	6.2	10.7

*Pregnancies include the sum of live births, stillbirths and abortions.

† Rate per 1,000 female age-group population within population group.

‡ n/a: Not available. Six months of abortion data from 1995 lack race and ethnicity information, making it impossible to determine number of pregnancies and pregnancy rates by population group.

Kansas Residence data

Source: Bureau of Epidemiology and Public Health Informatic

Kansas Department of Health and Environment

Table 4. Pregnancy* Rates† by County of Residence by Year
Females Aged 10-14 and 15-19 Years, Kansas, 2009-2013

County of Residence	Year											
	2009		2010		2011		2012		2013		5-year Rate	
	Age-Group		Age-Group		Age-Group		Age-Group		Age-Group		Age-Group	
	10-14	15-19	10-14	15-19	10-14	15-19	10-14	15-19	10-14	15-19	10-14	15-19
Allen	0.0	74.3	0.0	48.4	0.0	37.8	0.0	42.8	0.0	25.0	0.0	44.3
Anderson	0.0	50.2	0.0	58.1	0.0	42.0	0.0	16.7	0.0	29.2	0.0	40.8
Atchison	0.0	51.8	0.0	37.0	0.0	52.6	0.0	27.8	0.0	32.1	0.0	36.3
Barber	0.0	71.0	7.2	46.1	0.0	30.3	0.0	69.9	0.0	29.0	1.5	48.5
Barton	0.0	56.8	0.0	51.6	0.0	55.7	1.1	44.6	0.0	34.8	0.2	49.0
Bourbon	0.0	60.0	0.0	50.0	0.0	60.3	0.0	67.3	2.1	47.0	0.4	57.8
Brown	0.0	55.1	3.2	57.1	0.0	66.1	0.0	43.0	0.0	40.1	0.6	54.2
Butler	0.4	40.0	0.0	34.2	0.0	20.3	0.0	30.6	0.8	22.1	0.2	29.7
Chase	0.0	28.2	0.0	41.7	0.0	10.4	0.0	13.5	0.0	12.0	0.0	21.4
Chautauqua	0.0	80.0	0.0	0.0	0.0	46.7	0.0	36.4	0.0	61.2	0.0	46.0
Cherokee	0.0	60.6	1.3	57.2	0.0	52.4	1.3	45.4	0.0	40.6	0.5	53.2
Cheyenne	0.0	13.7	0.0	0.0	0.0	29.4	0.0	16.4	14.1	52.6	2.8	21.6
Clark	0.0	0.0	0.0	15.6	0.0	39.5	0.0	41.1	0.0	28.6	0.0	26.1
Clay	0.0	67.1	7.8	54.1	0.0	47.1	0.0	28.7	0.0	31.9	1.5	46.4
Cloud	0.0	45.2	0.0	57.1	0.0	33.7	0.0	28.7	0.0	36.4	0.0	39.3
Coffey	0.0	37.9	0.0	26.2	0.0	19.4	0.0	21.3	0.0	13.4	0.0	23.7
Comanche	0.0	20.8	0.0	40.8	0.0	35.3	0.0	0.0	0.0	28.2	0.0	27.6
Cowley	0.0	54.0	1.6	54.6	0.0	56.4	0.0	48.9	0.0	41.2	0.3	50.5
Crawford	0.9	54.5	0.0	33.0	1.7	43.9	0.8	29.7	0.0	33.8	0.7	37.2
Decatur	0.0	13.2	0.0	18.2	0.0	83.3	0.0	15.6	0.0	83.3	0.0	49.5
Dickinson	0.0	52.5	0.0	41.5	1.6	45.0	1.5	37.1	0.0	20.3	0.6	40.0
Doniphan	0.0	27.4	0.0	20.1	0.0	20.1	8.7	37.0	0.0	30.5	1.7	25.8
Douglas	0.0	18.6	0.4	18.8	0.4	31.7	0.7	17.8	0.7	13.9	0.4	16.9
Edwards	0.0	29.4	9.3	40.8	0.0	35.1	0.0	42.1	0.0	10.9	1.9	33.3
Elk	12.8	22.2	0.0	37.5	0.0	23.8	0.0	25.6	0.0	37.5	2.7	29.8
Ellis	1.6	28.9	1.4	38.2	0.0	36.9	1.4	25.0	0.0	29.3	0.8	28.9
Ellsworth	0.0	34.5	0.0	20.8	6.6	13.1	0.0	19.7	7.4	13.5	2.7	20.7
Finney	1.8	85.4	0.6	78.4	1.9	66.1	0.6	68.8	0.0	56.1	1.0	73.3
Ford	1.6	100.8	0.8	74.8	0.0	63.1	0.0	71.0	0.7	56.0	0.6	74.8
Franklin	0.0	49.9	1.1	46.8	1.2	35.1	0.0	42.9	0.0	37.1	0.5	42.3
Geary	0.0	108.4	0.9	81.0	0.0	76.9	0.0	88.3	2.5	69.2	0.7	88.3
Gove	0.0	22.7	0.0	0.0	0.0	0.0	0.0	11.8	0.0	0.0	0.0	7.2
Graham	0.0	28.6	0.0	61.5	0.0	60.6	0.0	40.5	0.0	54.8	0.0	47.2
Grant	3.6	99.0	0.0	90.6	0.0	44.6	0.0	57.8	0.0	60.0	0.6	73.0
Gray	0.0	37.9	0.0	8.4	0.0	22.9	0.0	30.3	0.0	29.3	0.0	25.5
Greeley	0.0	105.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0
Greenwood	0.0	21.4	0.0	63.2	0.0	46.2	0.0	68.2	0.0	45.7	0.0	51.9
Hamilton	0.0	93.8	0.0	79.5	0.0	56.1	0.0	85.7	0.0	71.4	0.0	80.7
Harper	0.0	65.6	0.0	46.8	0.0	33.5	0.0	31.6	0.0	38.3	0.0	42.9
Harvey	0.9	42.6	0.0	40.4	0.0	41.8	0.0	41.1	0.0	37.5	0.2	40.9
Haskell	0.0	62.1	0.0	45.5	0.0	29.6	0.0	77.8	0.0	45.5	0.0	52.9
Hodgeman	0.0	27.8	0.0	15.9	0.0	14.1	0.0	0.0	0.0	15.6	0.0	15.6
Jackson	0.0	48.7	0.0	53.1	0.0	30.9	0.0	19.9	0.0	32.3	0.0	37.4
Jefferson	0.0	34.7	0.0	15.7	0.0	19.9	0.0	30.4	0.0	13.3	0.0	23.4
Jewell	0.0	11.9	0.0	14.5	0.0	12.8	0.0	61.0	0.0	48.2	0.0	30.6
Johnson	0.3	27.0	0.3	23.9	0.3	18.1	0.1	20.5	0.2	16.2	0.2	21.6
Kearny	0.0	51.7	6.3	64.7	0.0	35.7	0.0	35.0	0.0	36.0	1.3	46.1
Kingman	0.0	43.6	0.0	31.0	0.0	32.6	0.0	22.3	0.0	35.2	0.0	32.6
Kiowa	0.0	35.3	0.0	0.0	0.0	37.0	0.0	28.6	0.0	9.4	0.0	18.6
Labette	0.0	77.1	0.0	81.9	3.2	48.4	0.0	42.8	1.5	42.0	0.9	59.9
Lane	0.0	17.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7	0.0	7.0
Leavenworth	0.8	40.7	1.6	33.1	1.9	32.8	0.4	41.4	0.4	35.1	1.0	37.5
Lincoln	0.0	33.7	0.0	34.1	0.0	43.9	0.0	35.3	0.0	11.6	0.0	33.8
Linn	0.0	41.0	0.0	44.6	0.0	29.3	0.0	51.9	0.0	35.1	0.0	41.1
Logan	0.0	40.8	0.0	11.9	0.0	23.8	0.0	25.6	0.0	29.0	0.0	26.4

Table 4. Pregnancy* Rates† by County of Residence by Year
Females Aged 10-14 and 15-19 Years, Kansas, 2009-2013

County of Residence	Year											
	2009		2010		2011		2012		2013		5-year Rate	
	Age-Group		Age-Group		Age-Group		Age-Group		Age-Group		Age-Group	
	10-14	15-19	10-14	15-19	10-14	15-19	10-14	15-19	10-14	15-19	10-14	15-19
Lyon	1.1	32.0	2.0	47.9	1.0	55.9	0.0	32.4	3.0	33.6	1.4	36.7
Mcpherson	0.0	27.1	1.0	23.9	2.6	74.3	1.0	31.3	0.0	19.5	0.7	30.2
Marion	0.0	16.1	0.0	33.3	0.0	27.3	0.0	18.8	0.0	12.4	0.0	21.9
Marshall	0.0	23.8	0.0	28.0	0.0	13.2	0.0	30.1	0.0	30.1	0.0	21.4
Meade	0.0	69.9	0.0	29.2	0.0	49.8	0.0	9.8	0.0	37.2	0.0	38.1
Miami	0.9	53.4	0.8	33.7	0.0	26.6	0.0	26.7	0.0	25.2	0.3	33.7
Mitchell	0.0	11.2	0.0	17.1	0.0	34.3	0.0	0.0	0.0	30.6	0.0	19.4
Montgomery	1.0	60.0	1.0	56.4	1.0	49.3	0.0	58.0	0.9	45.2	0.8	53.0
Morris	0.0	36.6	0.0	55.6	0.0	36.6	5.7	59.6	0.0	31.1	1.1	44.8
Morton	7.9	100.8	0.0	61.4	0.0	36.2	0.0	56.1	0.0	24.6	1.6	57.5
Nemaha	0.0	12.1	0.0	19.4	0.0	13.3	0.0	11.8	0.0	39.2	0.0	19.6
Neosho	0.0	48.4	0.0	60.4	0.0	57.5	0.0	62.8	0.0	30.5	0.0	52.1
Ness	0.0	25.3	0.0	49.4	0.0	10.5	0.0	33.3	0.0	11.2	0.0	26.0
Norton	0.0	27.6	0.0	13.2	0.0	48.6	0.0	14.3	0.0	49.0	0.0	29.9
Osage	0.0	41.7	0.0	35.8	0.0	28.2	0.0	32.1	0.0	24.0	0.0	33.4
Osborne	0.0	35.7	0.0	43.9	0.0	60.3	0.0	25.2	0.0	66.7	0.0	45.5
Ottawa	0.0	27.5	0.0	45.2	0.0	16.3	0.0	15.2	0.0	14.7	0.0	22.5
Pawnee	0.0	45.9	0.0	40.5	0.0	30.7	0.0	34.1	5.6	16.8	1.0	35.6
Phillips	0.0	12.5	0.0	18.0	4.7	18.3	0.0	37.4	0.0	11.6	1.0	20.7
Pottawatomie	1.4	34.2	0.0	21.5	0.0	21.3	0.0	18.3	0.0	12.7	0.2	22.0
Pratt	0.0	57.6	0.0	27.1	0.0	58.6	3.5	52.2	0.0	29.0	0.7	43.1
Rawlins	0.0	37.0	0.0	32.3	0.0	15.4	0.0	27.8	0.0	44.8	0.0	31.7
Reno	0.0	65.1	0.0	44.1	1.0	36.6	0.5	34.3	0.0	38.8	0.3	43.9
Republic	0.0	29.4	0.0	40.7	0.0	41.4	0.0	39.4	0.0	34.2	0.0	38.1
Rice	0.0	28.6	3.2	33.5	0.0	46.5	0.0	30.6	0.0	44.3	0.6	35.2
Riley	0.0	27.4	1.4	23.3	1.4	59.1	0.7	20.6	0.0	18.8	0.7	23.1
Rooks	0.0	42.3	0.0	30.1	0.0	30.3	0.0	32.9	5.9	13.7	1.2	29.9
Rush	0.0	23.8	0.0	70.6	0.0	0.0	0.0	38.0	0.0	12.7	0.0	29.6
Russell	0.0	82.0	0.0	57.3	0.0	34.1	0.0	44.6	0.0	35.7	0.0	49.9
Saline	0.6	69.2	0.0	67.0	1.7	50.4	0.6	44.4	0.0	45.6	0.6	55.9
Scott	0.0	51.3	0.0	35.5	0.0	35.4	0.0	53.0	0.0	41.4	0.0	46.7
Sedgwick	1.1	71.2	0.5	57.1	0.9	46.4	0.7	46.9	0.4	45.5	0.7	54.5
Seward	0.0	113.4	1.1	78.6	1.1	90.6	0.0	78.7	1.1	63.6	0.7	85.8
Shawnee	0.5	66.8	0.9	56.8	1.2	48.2	0.3	52.7	0.0	43.8	0.6	54.7
Sheridan	0.0	41.7	0.0	0.0	0.0	21.5	0.0	42.3	0.0	27.4	0.0	29.9
Sherman	0.0	33.7	0.0	89.7	0.0	36.3	0.0	80.7	0.0	44.9	0.0	56.4
Smith	0.0	26.5	0.0	17.9	0.0	20.0	0.0	18.3	0.0	18.2	0.0	19.6
Stafford	0.0	34.0	0.0	63.4	0.0	26.5	0.0	65.7	0.0	29.4	0.0	44.5
Stanton	0.0	70.6	0.0	63.3	0.0	23.0	0.0	66.7	0.0	31.3	0.0	53.5
Stevens	5.4	55.0	0.0	52.9	0.0	21.9	0.0	40.0	4.3	55.6	1.9	45.1
Sumner	0.0	40.9	0.0	56.9	0.0	40.7	1.2	48.5	0.0	33.4	0.2	45.1
Thomas	0.0	39.5	0.0	20.2	0.0	54.3	0.0	40.8	0.0	27.6	0.0	31.8
Trego	0.0	46.0	0.0	19.8	0.0	26.3	0.0	19.2	0.0	23.0	0.0	24.2
Wabaunsee	0.0	47.4	0.0	19.1	0.0	8.2	0.0	43.3	0.0	41.7	0.0	32.0
Wallace	0.0	0.0	0.0	16.7	0.0	16.9	0.0	0.0	0.0	18.5	0.0	10.8
Washington	0.0	30.9	0.0	6.4	0.0	10.5	0.0	5.7	0.0	5.6	0.0	12.0
Wichita	0.0	63.3	0.0	66.7	12.5	12.3	0.0	29.4	0.0	18.9	2.6	39.8
Wilson	0.0	69.0	3.2	70.4	0.0	40.9	0.0	60.4	0.0	27.8	0.7	55.3
Woodson	0.0	66.7	0.0	123.3	0.0	49.0	0.0	36.6	0.0	0.0	0.0	54.5
Wyandotte	1.7	105.5	1.6	89.7	1.9	67.3	1.1	73.6	1.4	65.9	1.5	82.5
n.s.												
Kansas	0.6	51.6	0.6	45.1	0.7	40.7	0.4	39.0	0.4	34.0	0.6	42.1

*Pregnancies include the sum of live births, stillbirths and abortions.

†Rates per 1,000 female age-group population.

2009-2013 female age-group population estimates were compiled by the U.S. Census Bureau as of 7/1 of each year;

Source: Bureau of Epidemiology and Public Health Informatics

Kansas Department of Health and Environment

Table 5. Pregnancy* Rates† by County of Residence by Year
Females Aged 10-19 Years, Kansas, 2009-2013

County of Residence	2009	2010	2011	2012	2013	5-year Rate
Allen	38.0	27.4	18.1	23.0	13.0	23.7
Anderson	24.4	27.4	23.2	7.8	13.5	19.3
Atchison	28.1	21.9	21.5	17.1	19.6	21.6
Barber	36.5	27.6	14.1	37.0	14.4	26.0
Barton	30.2	26.8	28.8	23.5	17.8	25.5
Bourbon	30.6	25.7	32.4	33.9	24.8	29.4
Brown	27.9	30.3	36.5	20.9	19.3	27.0
Butler	20.3	16.9	10.6	14.9	11.2	14.7
Chase	13.4	18.8	6.0	5.9	5.7	9.7
Chautauqua	42.9	0.0	24.5	19.4	31.9	24.0
Cherokee	28.5	27.4	29.3	22.3	19.5	25.4
Cheyenne	6.6	0.0	15.4	7.8	31.3	11.8
Clark	0.0	7.1	21.3	19.4	13.4	12.6
Clay	33.8	31.1	24.0	13.5	16.0	23.9
Cloud	26.6	32.7	15.6	15.6	19.7	22.1
Coffey	17.7	12.0	10.3	10.5	6.9	11.4
Comanche	8.8	16.1	21.3	0.0	13.8	11.9
Cowley	30.2	29.3	28.3	25.7	22.0	27.1
Crawford	32.2	19.0	20.4	16.8	18.9	21.4
Decatur	6.8	7.4	52.6	7.0	37.5	22.3
Dickinson	26.0	21.0	24.3	18.7	9.5	19.9
Doniphan	15.3	11.7	8.6	25.2	18.2	15.7
Douglas	12.8	12.6	10.5	11.9	9.2	11.4
Edwards	15.3	24.3	19.6	20.0	5.0	16.9
Elk	17.9	19.5	12.7	13.5	19.6	16.7
Ellis	19.3	23.6	14.4	15.3	16.7	17.9
Ellsworth	17.8	10.1	9.8	10.1	10.6	11.8
Finney	42.1	38.4	37.8	33.2	28.3	36.1
Ford	49.8	37.2	35.0	34.3	27.4	36.5
Franklin	26.7	24.5	18.2	20.9	18.2	21.7
Geary	57.8	41.4	44.7	39.3	32.2	42.4
Gove	10.9	0.0	0.0	5.8	0.0	3.5
Graham	14.5	28.4	28.6	21.9	28.4	24.4
Grant	52.3	41.2	25.8	25.7	27.7	34.1
Gray	17.7	3.9	11.7	14.6	13.9	12.2
Greeley	48.2	0.0	0.0	0.0	0.0	10.5
Greenwood	9.9	27.8	27.4	31.6	21.8	23.6
Hamilton	52.0	40.0	32.3	34.9	30.9	38.0
Harper	31.7	21.7	16.9	16.5	20.7	21.6
Harvey	22.7	20.3	21.6	21.1	19.1	21.0
Haskell	30.8	21.6	16.0	38.3	23.6	25.9
Hodgeman	13.6	7.2	7.5	0.0	8.5	7.6
Jackson	23.5	24.6	16.4	9.7	15.4	17.9
Jefferson	17.6	7.6	10.7	14.9	6.4	11.3
Jewell	6.1	6.8	6.6	31.6	26.1	15.5
Johnson	12.9	11.1	10.0	9.7	7.7	10.2
Kearny	27.2	33.4	19.7	16.6	18.6	23.3
Kingman	22.3	14.5	16.1	11.3	17.4	16.3
Kiowa	19.4	0.0	14.9	16.9	5.6	11.0
Labette	38.7	43.8	26.1	20.5	20.8	30.5
Lane	9.0	0.0	0.0	0.0	7.9	3.4
Leavenworth	20.0	16.9	18.8	19.5	16.3	18.3
Lincoln	15.1	15.7	24.4	15.2	5.0	15.1
Linn	19.9	19.9	16.1	23.8	16.8	19.2
Logan	22.9	6.0	11.8	12.8	13.1	13.4

Table 5. Pregnancy* Rates† by County of Residence by Year
Females Aged 10-19 Years, Kansas, 2009-2013

County of Residence	2009	2010	2011	2012	2013	5-year Rate
Lyon	20.0	29.2	23.2	19.0	20.8	22.5
Mcpherson	14.6	12.1	40.0	15.8	9.7	15.6
Marion	8.5	17.2	14.9	9.8	6.5	11.2
Marshall	12.7	13.3	6.7	13.5	13.7	10.3
Meade	29.1	13.6	26.5	5.4	19.8	18.7
Miami	25.9	15.9	14.4	12.9	11.8	16.1
Mitchell	6.6	8.0	19.1	0.0	15.6	9.8
Montgomery	31.7	31.7	24.6	30.7	23.5	28.4
Morris	17.9	27.0	20.3	30.8	15.6	22.2
Morton	52.8	27.6	20.4	26.4	12.2	27.9
Nemaha	5.7	8.7	7.2	5.5	18.3	9.1
Neosho	25.4	30.8	29.6	31.6	15.0	26.5
Ness	11.9	23.5	5.6	16.2	5.3	12.4
Norton	13.6	6.8	23.9	7.0	23.6	15.0
Osage	21.0	16.8	15.3	16.3	11.9	16.4
Osborne	17.9	21.6	30.3	14.0	33.5	23.4
Ottawa	12.3	20.1	7.6	7.7	7.4	11.0
Pawnee	23.7	17.8	17.7	16.6	11.2	17.5
Phillips	6.4	8.2	12.6	18.0	5.3	10.3
Pottawatomie	17.7	9.9	11.5	8.7	5.9	10.6
Pratt	32.2	15.2	27.8	30.2	15.4	24.0
Rawlins	20.7	15.5	7.8	14.0	21.9	16.1
Reno	31.9	22.5	19.6	16.9	18.7	21.8
Republic	15.3	19.4	22.6	18.4	15.8	18.3
Rice	18.1	19.9	22.5	16.3	23.9	20.1
Riley	20.0	17.0	18.1	14.5	13.1	16.6
Rooks	20.1	15.0	15.5	15.2	9.5	15.0
Rush	12.3	37.0	0.0	17.4	5.8	14.3
Russell	40.7	28.6	17.2	23.4	17.9	25.3
Saline	33.1	32.8	27.5	22.2	22.5	27.6
Scott	25.5	16.2	21.7	21.7	17.6	20.5
Sedgwick	35.3	28.4	25.7	22.9	22.1	26.8
Seward	53.0	40.4	49.9	39.1	31.6	42.7
Shawnee	32.8	28.3	26.8	26.0	21.5	27.0
Sheridan	21.7	0.0	13.1	20.8	12.7	13.6
Sherman	17.9	41.1	19.2	35.9	21.4	27.0
Smith	14.2	9.3	9.3	9.2	9.3	10.2
Stafford	17.9	31.8	14.2	35.6	16.4	23.1
Stanton	38.7	29.2	13.2	26.3	13.9	24.5
Stevens	31.2	26.1	11.5	20.0	27.8	23.1
Sumner	20.1	26.4	22.2	23.7	15.6	21.6
Thomas	24.7	12.3	20.4	23.7	16.7	19.5
Trego	24.2	10.6	10.5	10.5	11.7	13.2
Wabaunsee	23.5	8.8	4.3	19.7	19.4	15.0
Wallace	0.0	9.5	8.7	0.0	8.8	5.5
Washington	15.0	2.9	5.7	2.8	2.9	5.8
Wichita	34.2	29.2	13.6	13.7	7.6	19.8
Wilson	35.7	35.3	22.5	27.8	13.5	27.1
Woodson	31.1	52.3	28.1	16.3	0.0	24.5
Wyandotte	52.9	44.8	38.6	35.6	31.8	40.6
Kansas	26.8	23.1	20.9	19.7	17.1	21.5

*Pregnancies include the sum of live births, stillbirths and abortions.

†Rate per 1,000 female age-group population.

2009-2013 female age-group population estimates were compiled by the U.S. Census Bureau as of 7/1 of each year.

Source: Bureau of Epidemiology and Public Health Informatics
Kansas Department of Health and Environment

Table 6
Pregnancy* Numbers and Rates† and Birth Rates
by Year by Selected Population Groups
Females Aged 15-17 Years, Kansas, 1994-2013

Year	Number of Pregnancies			Pregnancy Rate			Birth Rate		
	White Non-Hispanic	Black Non-Hispanic	Hispanic	White Non-Hispanic	Black Non-Hispanic	Hispanic	White Non-Hispanic	Black Non-Hispanic	Hispanic
1994	1,568	373	312	34.1	98.7	100.3	23.4	86.0	64.9
1995	n/a†	n/a†	n/a†	n/a†	n/a†	n/a†	22.8	81.2	68.3
1996	1,570	345	303	32.1	84.9	80.2	21.1	68.9	71.4
1997	1,511	377	303	30.0	90.5	74.3	20.7	70.1	67.4
1998	1,399	295	306	27.6	71.0	69.9	18.8	56.1	61.0
1999	1,264	309	336	25.1	74.3	73.9	17.7	58.9	68.0
2000	1,138	271	361	23.0	64.6	75.0	16.3	50.5	66.1
2001	1,160	246	350	23.6	58.2	70.3	16.4	45.6	65.5
2002	1,043	239	346	21.7	54.7	67.9	14.8	42.3	64.2
2003	913	256	342	19.3	58.5	65.9	13.7	41.6	60.5
2004	868	227	338	18.7	52.2	64.5	14.1	40.5	58.8
2005	806	234	360	17.5	52.2	65.7	12.7	38.8	58.2
2006	832	216	378	17.8	46.6	63.0	12.9	33.2	56.6
2007	820	189	475	17.9	39.6	76.2	13.5	32.4	69.8
2008	815	224	443	18.4	47.6	69.8	14.1	37.2	64.7
2009	757	160	416	17.5	34.2	64.3	13.5	26.5	60.4
2010	644	175	394	15.3	45.1	50.1	12.6	35.6	47.7
2011	536	113	344	12.6	23.9	42.3	10.3	19.3	38.5
2012	508	106	298	12.1	22.7	35.9	10.0	17.7	34.0
2013	496	123	288	11.8	26.6	32.7	8.2	16.4	29.0

*Pregnancies include the sum of live births, stillbirths and abortions.

#Rate per 1,000 female age-group population.

† n/a: Not available. Six months of abortion data from 1995 lack race and ethnicity information, making it impossible to determine number of pregnancies and pregnancy rates by population group.

Table 7
Pregnancy* Numbers and Rate† and Birth Rates
by Year by Selected Population Groups
Females Aged 18-19 Years, Kansas, 1994-2013

Year	Number of Pregnancies			Pregnancy Rate			Birth Rate		
	White Non-Hispanic	Black Non-Hispanic	Hispanic	White Non-Hispanic	Black Non-Hispanic	Hispanic	White Non-Hispanic	Black Non-Hispanic	Hispanic
1994	3,003	479	499	103.5	204.6	230.7	78.7	174.7	144.2
1995	n/a†	n/a†	n/a†	n/a†	n/a†	n/a†	76.8	167.5	126.7
1996	2,986	546	442	97.1	215.0	172.4	72.4	163.8	144.3
1997	2,972	536	460	94.7	206.3	168.9	70.9	161.7	139.5
1998	3,020	572	532	92.0	203.6	174.7	70.2	156.9	146.8
1999	3,098	569	543	92.3	200.7	160.7	72.2	156.6	144.5
2000	2,896	529	599	86.7	187.1	171.0	68.9	143.2	145.3
2001	2,711	473	557	81.2	174.2	166.9	63.9	130.7	147.7
2002	2,609	483	581	77.8	175.3	171.5	61.1	128.4	152.3
2003	2,407	408	609	72.5	145.4	173.2	58.4	112.2	156.7
2004	2,308	419	612	69.8	149.3	172.4	55.4	116.9	153.3
2005	2,282	389	647	70.4	138.2	181.3	57.7	110.1	162.3
2006	2,234	457	748	71.8	160.8	215.1	58.0	127.7	188.4
2007	2,293	453	711	73.7	153.1	199.9	60.6	116.6	178.6
2008	2,330	457	767	74.6	147.6	210.8	61.8	117.2	189.1
2009	2,170	467	744	68.6	152.0	176.5	58.9	126.0	158.9
2010	1,895	357	720	63.9	125.8	139.6	56.0	103.3	126.4
2011	1,747	338	700	57.0	102.8	130.4	49.5	90.6	120.2
2012	1,694	297	655	58.3	88.3	120.0	51.0	75.8	110.3
2013	1,437	266	596	50.0	81.2	107.4	43.2	68.4	100.4

*Pregnancies include the sum of live births, stillbirths and abortions.

†Rate per 1,000 female age-group population.

† n/a: Not available. Six months of abortion data from 1995 lack race and ethnicity information, making it impossible to determine number of pregnancies and pregnancy rates by population group.

Kansas Residence data

Source: Bureau of Epidemiology and Public Health Informatic

Kansas Department of Health and Environment

Table 8. Pregnancy* Numbers and Rates† and Birth Rates by County of Residence
and Peer Group by Component
Females Aged 10-17 Years, Kansas, 2013

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate†	Birth Rate†
Allen	6	0	1	7	10.9	9.3
Anderson	1	0	0	1	2.3	2.3
Atchison	4	0	0	4	4.7	4.7
Barber	0	0	0	0	0.0	0.0
Barton	9	0	0	9	6.3	6.3
Bourbon	8	0	1	9	11.4	10.2
Brown	4	0	0	4	7.7	7.7
Butler	14	0	3	17	4.1	3.4
Chase	0	0	0	0	0.0	0.0
Chautauqua	1	0	0	1	6.6	6.6
Cherokee	11	0	0	11	9.0	9.0
Cheyenne	2	0	0	2	18.7	18.7
Clark	0	0	0	0	0.0	0.0
Clay	0	0	1	1	2.4	0.0
Cloud	3	0	0	3	6.7	6.7
Coffey	1	0	0	1	2.1	2.1
Comanche	0	0	0	0	0.0	0.0
Cowley	11	0	0	11	5.7	5.7
Crawford	10	0	1	11	6.0	5.5
Decatur	0	0	0	0	0.0	0.0
Dickinson	0	0	2	2	1.9	0.0
Doniphan	1	0	0	1	2.7	2.7
Douglas	7	0	7	14	3.0	1.5
Edwards	0	0	0	0	0.0	0.0
Elk	1	0	0	1	8.1	8.1
Ellis	6	0	1	7	5.8	5.0
Ellsworth	1	0	0	1	4.4	4.4
Finney	23	0	2	25	10.5	9.6
Ford	20	0	1	21	9.9	9.4
Franklin	6	0	0	6	4.3	4.3
Geary	5	0	3	8	4.4	2.7
Gove	0	0	0	0	0.0	0.0
Graham	1	0	0	1	8.5	8.5
Grant	8	0	0	8	14.6	14.6
Gray	2	0	0	2	4.7	4.7
Greeley	0	0	0	0	0.0	0.0
Greenwood	2	0	1	3	9.6	6.4
Hamilton	0	0	0	0	0.0	0.0
Harper	0	0	0	0	0.0	0.0
Harvey	8	0	2	10	5.3	4.2
Haskell	4	0	0	4	14.4	14.4
Hodgeman	0	0	0	0	0.0	0.0
Jackson	3	0	0	3	3.9	3.9
Jefferson	1	0	1	2	1.9	0.9
Jewell	0	0	0	0	0.0	0.0
Johnson	47	1	16	64	2.0	1.5
Kearny	2	0	1	3	13.1	8.7
Kingman	2	0	0	2	4.5	4.5
Kiowa	0	0	0	0	0.0	0.0
Labette	8	0	1	9	8.8	7.8
Lane	1	0	0	1	9.4	9.4
Leavenworth	21	1	6	28	6.8	5.1
Lincoln	1	0	0	1	5.8	5.8
Linn	6	0	1	7	12.3	10.5
Logan	1	0	0	1	7.8	7.8

Table 8. Pregnancy* Numbers and Rates† and Birth Rates by County of Residence
and Peer Group by Component
Females Aged 10-17 Years, Kansas, 2013

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate†	Birth Rate†
Lyon	11	2	4	17	10.7	6.9
Mcperson	4	0	0	4	2.5	2.5
Marion	4	0	0	4	6.7	6.7
Marshall	1	0	0	1	2.0	2.0
Meade	1	0	0	1	3.4	3.4
Miami	3	0	1	4	2.0	1.5
Mitchell	0	0	0	0	0.0	0.0
Montgomery	11	0	0	11	6.6	6.6
Morris	1	0	0	1	3.7	3.7
Morton	2	0	0	2	9.7	9.7
Nemaha	2	0	1	3	5.0	3.4
Neosho	2	0	0	2	2.2	2.2
Ness	0	0	0	0	0.0	0.0
Norton	1	0	0	1	4.1	4.1
Osage	1	0	1	2	2.1	1.1
Osborne	0	0	0	0	0.0	0.0
Ottawa	0	0	0	0	0.0	0.0
Pawnee	3	0	0	3	10.0	10.0
Phillips	0	0	0	0	0.0	0.0
Pottawatomie	3	0	0	3	2.1	2.1
Pratt	1	0	0	1	2.0	2.0
Rawlins	0	0	0	0	0.0	0.0
Reno	16	0	2	18	5.4	4.8
Republic	1	0	0	1	4.7	4.7
Rice	4	0	2	6	12.2	8.1
Riley	5	0	2	7	3.1	2.2
Rooks	1	0	0	1	3.8	3.8
Rush	0	0	0	0	0.0	0.0
Russell	1	0	1	2	6.3	3.2
Saline	23	0	5	28	9.8	8.0
Scott	1	0	0	1	3.4	3.4
Sedgwick	183	4	26	213	7.5	6.5
Seward	19	0	1	20	14.0	13.3
Shawnee	57	0	13	70	7.4	6.0
Sheridan	1	0	0	1	7.5	7.5
Sherman	2	0	0	2	6.3	6.3
Smith	0	0	0	0	0.0	0.0
Stafford	0	0	0	0	0.0	0.0
Stanton	0	0	0	0	0.0	0.0
Stevens	5	0	0	5	13.6	13.6
Sumner	4	0	2	6	4.3	2.8
Thomas	2	0	0	2	4.9	4.9
Trego	0	0	0	0	0.0	0.0
Wabaunsee	1	0	0	1	2.5	2.5
Wallace	0	0	0	0	0.0	0.0
Washington	0	0	0	0	0.0	0.0
Wichita	1	0	0	1	8.6	8.6
Wilson	1	0	0	1	2.0	2.0
Woodson	0	0	0	0	0.0	0.0
Wyandotte	99	0	10	109	12.0	10.9
Unknown	0	0	0	0	n.a.	n.a.
Kansas	751	8	123	882	5.7	4.8
Peer Group						
Frontier	20	0	2	22	3.9	3.5
Rural	64	0	6	70	5.2	4.7
Densely-Settled Rural	152	2	18	172	6.9	6.1
Semi-Urban	101	0	19	120	5.2	4.4
Urban	414	6	78	498	5.7	4.7

n.a. = Not applicable

*Pregnancies include the sum of live births, stillbirths and abortions.

†Rate per 1,000 female age-group population

Source: Bureau of Epidemiology and Public Health Informatics
Kansas Department of Health and Environment

Table 9. Pregnancies* by County of Residence by Year
Females Aged 10-17 Years, Kansas, 2009-2013

County of Residence	2009	2010	2011	2012	2013	Teenage Pregnancies 2009-2013
Allen	7	8	4	4	7	30
Anderson	5	1	2	3	1	12
Atchison	7	6	9	6	4	32
Barber	3	3	1	3	0	10
Barton	18	13	17	14	9	71
Bourbon	9	10	5	6	9	39
Brown	4	6	5	2	4	21
Butler	28	27	14	13	17	99
Chase	0	1	1	0	0	2
Chautauqua	1	0	1	0	1	3
Cherokee	14	10	10	8	11	53
Cheyenne	0	0	1	1	2	4
Clark	0	1	1	2	0	4
Clay	3	8	3	1	1	16
Cloud	4	8	1	2	3	18
Coffey	3	2	1	1	1	8
Comanche	0	0	0	0	0	0
Cowley	28	24	22	18	11	103
Crawford	15	10	11	8	11	55
Decatur	0	0	2	0	0	2
Dickinson	11	7	6	7	2	33
Doniphan	3	3	1	5	1	13
Douglas	20	23	20	14	14	91
Edwards	1	2	3	2	0	8
Elk	1	1	0	0	1	3
Ellis	10	9	8	8	7	42
Ellsworth	0	0	1	2	1	4
Finney	44	40	32	32	25	173
Ford	31	26	24	28	21	130
Franklin	9	10	6	13	6	44
Geary	21	23	17	8	8	77
Gove	1	0	0	0	0	1
Graham	0	0	0	1	1	2
Grant	10	9	4	4	8	35
Gray	1	0	3	3	2	9
Greeley	1	0	0	0	0	1
Greenwood	1	3	2	2	3	11
Hamilton	5	2	1	1	0	9
Harper	2	4	1	1	0	8
Harvey	16	13	13	12	10	64
Haskell	4	2	1	1	4	12
Hodgeman	1	0	0	0	0	1
Jackson	7	2	7	4	3	23
Jefferson	5	3	3	9	2	22
Jewell	0	0	0	1	0	1
Johnson	135	109	89	96	64	493
Kearny	3	3	1	1	3	11
Kingman	4	2	2	1	2	11
Kiowa	1	0	2	1	0	4
Labette	15	16	9	4	9	53
Lane	1	0	0	0	1	2
Leavenworth	28	29	24	32	28	141
Lincoln	2	1	2	1	1	7
Linn	3	5	3	4	7	22
Logan	2	1	0	0	1	4

Table 9. Pregnancies* by County of Residence by Year
Females Aged 10-17 Years, Kansas, 2009-2013

County of Residence	2009	2010	2011	2012	2013	Teenage Pregnancies 2009-2013
Lyon	15	21	16	13	17	82
Mcperson	10	3	11	4	4	32
Marion	1	2	1	0	4	8
Marshall	0	2	1	5	1	9
Meade	5	2	2	2	1	12
Miami	18	11	12	9	4	54
Mitchell	0	0	2	0	0	2
Montgomery	15	19	14	17	11	76
Morris	3	2	4	4	1	14
Morton	7	2	3	2	2	16
Nemaha	1	0	0	0	3	4
Neosho	7	8	10	7	2	34
Ness	0	0	0	1	0	1
Norton	1	0	2	1	1	5
Osage	5	3	2	3	2	15
Osborne	0	1	3	2	0	6
Ottawa	0	2	2	1	0	5
Pawnee	4	2	1	1	3	11
Phillips	1	0	1	2	0	4
Pottawatomie	9	5	4	1	3	22
Pratt	4	4	4	4	1	17
Rawlins	1	0	0	0	0	1
Reno	33	29	21	17	18	118
Republic	1	3	1	3	1	9
Rice	9	5	2	2	6	24
Riley	23	15	17	11	7	73
Rooks	1	1	1	1	1	5
Rush	0	2	0	0	0	2
Russell	4	5	1	0	2	12
Saline	34	33	34	15	28	144
Scott	1	3	3	1	1	9
Sedgwick	370	322	259	227	213	1,391
Seward	29	26	30	18	20	123
Shawnee	89	100	86	96	70	441
Sheridan	0	0	0	0	1	1
Sherman	0	4	2	2	2	10
Smith	1	2	1	0	0	4
Stafford	1	5	1	1	0	8
Stanton	1	3	2	1	0	7
Stevens	5	3	1	2	5	16
Sumner	9	17	9	10	6	51
Thomas	9	0	5	3	2	19
Trego	1	0	1	2	0	4
Wabaunsee	3	3	0	0	1	7
Wallace	0	0	0	0	0	0
Washington	1	0	1	0	0	2
Wichita	2	2	1	0	1	6
Wilson	4	7	4	3	1	19
Woodson	0	2	1	1	0	4
Wyandotte	187	187	154	124	109	761
Unknown	0	3	4	6	0	13
Kansas	1,473	1,357	1,133	1,015	882	5,860

*Pregnancies include the sum of live births, stillbirths and abortions.

Source: Bureau of Epidemiology and Public Health Informatics
Kansas Department of Health and Environment

Table 10. Pregnancy* Rate† by County of Residence by Year
Females Aged 10-17 Years, Kansas, 2009-2013

County of Residence	2009	2010	2011	2012	2013	5-year Rate
Allen	10.9	11.9	6.1	6.1	10.9	9.2
Anderson	11.3	2.3	4.5	6.9	2.3	5.5
Atchison	7.3	6.4	9.9	6.9	4.7	7.1
Barber	12.4	12.1	4.4	13.9	0.0	8.6
Barton	12.4	8.8	11.4	9.7	6.3	9.7
Bourbon	11.4	12.1	6.3	7.5	11.4	9.8
Brown	7.4	11.3	9.6	3.9	7.7	8.0
Butler	7.2	6.5	3.4	3.2	4.1	4.9
Chase	0.0	7.1	7.0	0.0	0.0	2.9
Chautauqua	5.4	0.0	6.0	0.0	6.6	3.5
Cherokee	11.7	8.3	8.3	6.7	9.0	8.8
Cheyenne	0.0	0.0	9.6	9.3	18.7	7.1
Clark	0.0	7.9	8.3	14.8	0.0	6.5
Clay	6.6	18.4	6.8	2.3	2.4	7.3
Cloud	9.0	17.3	2.2	4.3	6.7	7.9
Coffey	6.3	4.0	2.0	2.0	2.1	3.3
Comanche	0.0	0.0	0.0	0.0	0.0	0.0
Cowley	14.5	12.2	11.6	9.4	5.7	10.7
Crawford	8.6	5.4	6.0	4.3	6.0	6.0
Decatur	0.0	0.0	17.4	0.0	0.0	3.2
Dickinson	10.5	6.5	5.7	6.5	1.9	6.2
Doniphan	7.2	7.4	2.5	13.3	2.7	6.6
Douglas	4.6	5.2	4.7	3.1	3.0	4.1
Edwards	5.9	11.1	17.5	12.7	0.0	9.5
Elk	7.4	7.3	0.0	0.0	8.1	4.6
Ellis	9.7	7.7	7.0	6.9	5.8	7.3
Ellsworth	0.0	0.0	3.8	8.2	4.4	3.1
Finney	16.3	15.9	12.7	12.7	10.5	13.7
Ford	15.8	12.7	11.5	13.3	9.9	12.6
Franklin	6.4	7.1	4.3	9.6	4.3	6.3
Geary	15.7	13.0	9.3	4.4	4.4	9.0
Gove	6.5	0.0	0.0	0.0	0.0	1.4
Graham	0.0	0.0	0.0	8.5	8.5	3.4
Grant	21.6	18.6	7.6	7.5	14.6	13.7
Gray	2.6	0.0	7.0	7.4	4.7	4.3
Greeley	13.3	0.0	0.0	0.0	0.0	3.2
Greenwood	3.0	8.9	5.8	6.1	9.6	6.6
Hamilton	37.0	14.5	7.0	7.4	0.0	13.0
Harper	6.5	12.5	3.3	3.4	0.0	5.3
Harvey	8.3	6.6	6.7	6.2	5.3	6.6
Haskell	14.8	6.3	3.3	3.3	14.4	8.1
Hodgeman	8.8	0.0	0.0	0.0	0.0	1.9
Jackson	8.5	2.6	9.0	5.1	3.9	5.9
Jefferson	5.0	2.7	2.7	8.5	1.9	4.1
Jewell	0.0	0.0	0.0	7.8	0.0	1.5
Johnson	4.6	3.5	2.8	3.0	2.0	3.2
Kearny	11.5	12.1	3.9	3.9	13.1	8.8
Kingman	8.8	4.1	4.2	2.2	4.5	4.8
Kiowa	8.6	0.0	14.7	7.9	0.0	6.3
Labette	12.6	14.5	8.6	3.8	8.8	9.8
Lane	10.6	0.0	0.0	0.0	9.4	4.0
Leavenworth	6.7	7.1	5.8	7.7	6.8	6.8
Lincoln	11.6	6.0	11.6	6.0	5.8	8.2
Linn	6.0	9.9	5.7	7.8	12.3	8.4
Logan	15.0	7.2	0.0	0.0	7.8	6.1

Table 10. Pregnancy* Rates† by County of Residence by Year
Females Aged 10-17 Years, Kansas, 2009-2013

County of Residence	2009	2010	2011	2012	2013	5-year Rate
Lyon	9.5	12.8	9.9	8.1	10.7	10.2
Mcpherson	6.8	2.0	17.9	2.5	2.5	4.7
Marion	1.6	3.1	2.0	0.0	6.7	2.7
Marshall	0.0	3.9	0.6	10.0	2.0	2.5
Meade	16.8	6.1	6.3	6.5	3.4	7.8
Miami	9.7	5.4	5.9	4.5	2.0	5.4
Mitchell	0.0	0.0	6.4	0.0	0.0	1.3
Montgomery	8.9	11.3	8.3	10.2	6.6	9.1
Morris	9.3	7.3	13.9	14.4	3.7	9.8
Morton	34.7	9.5	14.3	10.0	9.7	15.5
Nemaha	1.7	0.0	0.0	0.0	5.0	1.3
Neosho	8.5	9.0	11.0	7.7	2.2	7.6
Ness	0.0	0.0	0.0	6.9	0.0	1.3
Norton	4.0	0.0	8.5	4.2	4.1	4.1
Osage	4.9	3.1	2.1	3.2	2.1	3.1
Osborne	0.0	4.9	16.1	11.7	0.0	6.5
Ottawa	0.0	5.6	5.6	3.0	0.0	2.9
Pawnee	12.7	5.9	3.0	3.3	10.0	6.9
Phillips	3.8	0.0	2.9	6.3	0.0	2.6
Pottawatomie	7.5	3.7	2.9	0.7	2.1	3.3
Pratt	8.4	8.3	8.3	8.5	2.0	7.1
Rawlins	8.7	0.0	0.0	0.0	0.0	1.8
Reno	10.6	8.8	6.5	5.2	5.4	7.3
Republic	4.8	13.2	4.6	13.4	4.7	8.2
Rice	17.5	9.7	3.9	4.1	12.2	9.5
Riley	10.3	6.7	7.6	4.8	3.1	6.5
Rooks	3.9	3.7	3.8	3.6	3.8	3.8
Rush	0.0	15.2	0.0	0.0	0.0	2.9
Russell	13.4	14.7	3.0	0.0	6.3	7.5
Saline	12.2	11.3	11.7	5.2	9.8	10.0
Scott	3.8	11.3	10.8	3.5	3.4	6.5
Sedgwick	13.7	11.3	9.1	8.0	7.5	9.9
Seward	21.3	18.7	21.4	12.5	14.0	17.5
Shawnee	10.2	10.7	9.2	10.2	7.4	9.5
Sheridan	0.0	0.0	0.0	0.0	7.5	1.6
Sherman	0.0	14.4	7.1	6.6	6.3	7.0
Smith	6.0	11.1	5.6	0.0	0.0	4.5
Stafford	4.7	20.8	4.3	4.8	0.0	7.3
Stanton	7.9	21.1	15.2	8.1	0.0	10.9
Stevens	16.1	8.4	2.9	5.3	13.6	9.1
Sumner	6.2	12.0	6.4	7.2	4.3	7.2
Thomas	21.5	0.0	12.3	7.2	4.9	9.1
Trego	7.1	0.0	6.4	13.1	0.0	5.3
Wabaunsee	8.4	7.8	0.0	0.0	2.5	3.6
Wallace	0.0	0.0	0.0	0.0	0.0	0.0
Washington	3.6	0.0	3.4	0.0	0.0	1.4
Wichita	16.5	16.1	8.0	0.0	8.6	9.9
Wilson	8.0	13.6	8.4	6.3	2.0	7.7
Woodson	0.0	14.0	6.4	6.2	0.0	5.2
Wyandotte	22.5	20.9	17.3	13.9	12.0	17.2
Kansas	10.0	8.8	7.3	6.6	5.7	7.6

*Pregnancies include the sum of live births, stillbirths and abortions.

†Rate per 1,000 female age-group population.

2009-2013 female age-group population estimates were compiled by the U.S. Census Bureau as of 7/1 of each year.

Source: Bureau of Epidemiology and Public Health Informatics
Kansas Department of Health and Environment

Table 11. Pregnancy* Numbers and Rates† and Birth rates by County of Residence
and Peer Group by Component, Females Aged 15-17 Years, Kansas, 2013

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate†	Birth Rate†
Allen	6	0	1	7	29.7	25.4
Anderson	1	0	0	1	6.4	6.4
Atchison	4	0	0	4	12.2	12.2
Barber	0	0	0	0	0.0	0.0
Barton	9	0	0	9	16.2	16.2
Bourbon	7	0	1	8	25.7	22.5
Brown	4	0	0	4	20.5	20.5
Butler	12	0	3	15	9.7	7.8
Chase	0	0	0	0	0.0	0.0
Chautauqua	1	0	0	1	16.1	16.1
Cherokee	11	0	0	11	23.4	23.4
Cheyenne	1	0	0	1	27.8	27.8
Clark	0	0	0	0	0.0	0.0
Clay	0	0	1	1	6.2	0.0
Cloud	3	0	0	3	17.8	17.8
Coffey	1	0	0	1	4.9	4.9
Comanche	0	0	0	0	0.0	0.0
Cowley	11	0	0	11	14.7	14.7
Crawford	10	0	1	11	16.7	15.2
Decatur	0	0	0	0	0.0	0.0
Dickinson	0	0	2	2	5.2	0.0
Doniphan	1	0	0	1	6.7	6.7
Douglas	7	0	5	12	7.2	4.2
Edwards	0	0	0	0	0.0	0.0
Elk	1	0	0	1	19.6	19.6
Ellis	6	0	1	7	16.2	13.9
Ellsworth	0	0	0	0	0.0	0.0
Finney	23	0	2	25	27.4	25.2
Ford	19	0	1	20	25.8	24.5
Franklin	6	0	0	6	11.9	11.9
Geary	4	0	1	5	8.3	6.6
Gove	0	0	0	0	0.0	0.0
Graham	1	0	0	1	20.4	20.4
Grant	8	0	0	8	40.4	40.4
Gray	2	0	1	3	18.6	12.4
Greeley	0	0	0	0	0.0	0.0
Greenwood	2	0	1	3	25.0	16.7
Hamilton	0	0	0	0	0.0	0.0
Harper	0	0	0	0	0.0	0.0
Harvey	8	0	2	10	13.8	11.1
Haskell	4	0	0	4	34.8	34.8
Hodgeman	0	0	0	0	0.0	0.0
Jackson	3	0	0	3	10.5	10.5
Jefferson	1	0	1	2	5.0	2.5
Jewell	0	0	0	0	0.0	0.0
Johnson	43	1	16	60	5.1	3.6
Kearny	2	0	1	3	30.3	20.2
Kingman	2	0	0	2	10.9	10.9
Kiowa	0	0	0	0	0.0	0.0
Labette	8	0	0	8	21.7	21.7
Lane	1	0	0	1	20.8	20.8
Leavenworth	21	1	5	27	18.4	14.3
Lincoln	1	0	0	1	17.5	17.5
Linn	6	0	1	7	30.7	26.3
Logan	1	0	0	1	22.7	22.7

Table 11. Pregnancy* Numbers and Rates† and Birth rates by County of Residence and Peer Group by Component, Females Aged 15-17 Years, Kansas, 2013

County of Residence	Live Births	Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate†	Birth Rate†
Lyon	10	2	2	14	24.0	17.2
Mcperson	4	0	0	4	6.6	6.6
Marion	4	0	0	4	17.3	17.3
Marshall	1	0	0	1	5.5	5.5
Meade	1	0	0	1	8.0	8.0
Miami	3	0	1	4	5.4	4.1
Mitchell	0	0	0	0	0.0	0.0
Montgomery	10	0	0	10	16.7	16.7
Morris	1	0	0	1	9.3	9.3
Morton	2	0	1	3	36.6	24.4
Nemaha	2	0	0	2	9.2	9.2
Neosho	2	0	0	2	6.1	6.1
Ness	0	0	0	0	0.0	0.0
Norton	1	0	0	1	11.1	11.1
Osage	1	0	1	2	5.3	2.6
Osborne	0	0	0	0	0.0	0.0
Ottawa	0	0	0	0	0.0	0.0
Pawnee	2	0	0	2	16.1	16.1
Phillips	0	0	0	0	0.0	0.0
Pottawatomie	3	0	0	3	5.7	5.7
Pratt	1	0	0	1	5.1	5.1
Rawlins	0	0	0	0	0.0	0.0
Reno	16	0	2	18	14.7	13.1
Republic	1	0	0	1	12.8	12.8
Rice	4	0	2	6	32.4	21.6
Riley	5	0	2	7	9.0	6.4
Rooks	0	0	0	0	0.0	0.0
Rush	0	0	0	0	0.0	0.0
Russell	1	0	0	1	8.3	8.3
Saline	23	0	5	28	25.8	21.2
Scott	1	0	0	1	10.5	10.5
Sedgwick	176	4	25	205	19.5	16.8
Seward	18	0	1	19	37.6	35.6
Shawnee	57	0	13	70	19.6	16.0
Sheridan	1	0	0	1	20.4	20.4
Sherman	2	0	0	2	16.4	16.4
Smith	0	0	0	0	0.0	0.0
Stafford	0	0	0	0	0.0	0.0
Stanton	0	0	0	0	0.0	0.0
Stevens	4	0	0	4	29.6	29.6
Sumner	4	0	2	6	11.5	7.7
Thomas	2	0	0	2	12.0	12.0
Trego	0	0	0	0	0.0	0.0
Wabaunsee	1	0	0	1	6.5	6.5
Wallace	0	0	0	0	0.0	0.0
Washington	0	0	0	0	0.0	0.0
Wichita	1	0	0	1	27.0	27.0
Wilson	1	0	0	1	5.0	5.0
Woodson	0	0	0	0	0.0	0.0
Wyandotte	93	0	8	101	30.2	27.8
Unknown	0	0	0	0	n.a.	n.a.
Kansas	721	8	112	841	14.6	12.5
Peer Group						
Frontier	18	0	3	21	9.5	8.1
Rural	61	0	5	66	13.7	12.7
Densely-Settled Rural	148	2	15	165	16.8	15.1
Semi-Urban	97	0	17	114	13.5	11.5
Urban	397	6	72	475	14.7	12.3

n.a. = Not applicable

*Pregnancies include the sum of live births, stillbirths and abortions.

†Rate per 1,000 female age-group population.

Source: Bureau of Epidemiology and Public Health Informatics
Kansas Department of Health and Environment

Table 12. Pregnancies* by County of Residence by Year
Females Aged 15-17 Years, Kansas, 2009-2013

County of Residence	2009	2010	2011	2012	2013	Teenage Pregnancies 2009-2013
Allen	7	8	4	4	7	30
Anderson	5	1	2	3	1	12
Atchison	7	6	9	6	4	32
Barber	3	2	1	3	0	9
Barton	18	13	17	13	9	70
Bourbon	9	10	5	6	8	38
Brown	4	5	5	2	4	20
Butler	27	27	14	13	15	96
Chase	0	1	1	0	0	2
Chautauqua	1	0	1	0	1	3
Cherokee	14	9	10	7	11	51
Cheyenne	0	0	1	1	1	3
Clark	0	1	1	2	0	4
Clay	3	6	3	1	1	14
Cloud	4	8	1	2	3	18
Coffey	3	2	1	1	1	8
Comanche	0	0	0	0	0	0
Cowley	28	22	22	18	11	101
Crawford	14	10	9	7	11	51
Decatur	0	0	2	0	0	2
Dickinson	11	7	5	6	2	31
Doniphan	3	3	1	3	1	11
Douglas	20	22	19	12	12	85
Edwards	1	1	3	2	0	7
Elk	0	1	0	0	1	2
Ellis	9	8	8	7	7	39
Ellsworth	0	0	0	2	0	2
Finney	41	39	29	31	25	165
Ford	29	25	24	28	20	126
Franklin	9	9	5	13	6	42
Geary	21	22	17	8	5	73
Gove	1	0	0	0	0	1
Graham	0	0	0	1	1	2
Grant	9	9	4	4	8	34
Gray	1	0	3	3	3	10
Greeley	1	0	0	0	0	1
Greenwood	1	3	2	2	3	11
Hamilton	5	2	1	1	0	9
Harper	2	4	1	1	0	8
Harvey	15	13	13	12	10	63
Haskell	4	2	1	1	4	12
Hodgeman	1	0	0	0	0	1
Jackson	7	2	7	4	3	23
Jefferson	5	3	3	9	2	22
Jewell	0	0	0	1	0	1
Johnson	130	104	83	94	60	471
Kearny	3	2	1	1	3	10
Kingman	4	2	2	1	2	11
Kiowa	1	0	2	1	0	4
Labette	15	16	7	4	8	50
Lane	1	0	0	0	1	2
Leavenworth	26	25	19	31	27	128
Lincoln	2	1	2	1	1	7
Linn	3	5	3	4	7	22
Logan	2	1	0	0	1	4

Table 12. Pregnancies* by County of Residence by Year
Females Aged 15-17 Years, Kansas, 2009-2013

County of Residence	2009	2010	2011	2012	2013	Teenage Pregnancies 2009-2013
Lyon	14	19	15	13	14	75
Mcpherson	10	2	10	3	4	29
Marion	1	2	1	0	4	8
Marshall	0	2	1	5	1	9
Meade	5	2	2	2	1	12
Miami	17	10	12	9	4	52
Mitchell	0	0	2	0	0	2
Montgomery	14	18	13	17	10	72
Morris	3	2	4	3	1	13
Morton	6	2	3	2	3	16
Nemaha	1	0	0	0	2	3
Neosho	7	8	10	7	2	34
Ness	0	0	0	1	0	1
Norton	1	0	2	1	1	5
Osage	5	3	2	3	2	15
Osborne	0	1	3	2	0	6
Ottawa	0	2	2	1	0	5
Pawnee	4	2	1	1	2	10
Phillips	1	0	0	2	0	3
Pottawatomie	8	5	4	1	3	21
Pratt	4	4	4	3	1	16
Rawlins	1	0	0	0	0	1
Reno	33	29	19	16	18	115
Republic	1	3	1	3	1	9
Rice	9	4	2	2	6	23
Riley	23	13	15	10	7	68
Rooks	1	1	1	1	0	4
Rush	0	2	0	0	0	2
Russell	4	5	1	0	1	11
Saline	33	33	31	14	28	139
Scott	1	3	3	1	1	9
Sedgwick	351	313	242	214	205	1,325
Seward	29	25	29	18	19	120
Shawnee	86	95	79	94	70	424
Sheridan	0	0	0	0	1	1
Sherman	0	4	2	2	2	10
Smith	1	2	1	0	0	4
Stafford	1	5	1	1	0	8
Stanton	1	3	2	1	0	7
Stevens	4	3	1	2	4	14
Sumner	9	17	9	9	6	50
Thomas	9	0	5	3	2	19
Trego	1	0	1	2	0	4
Wabaunsee	3	3	0	0	1	7
Wallace	0	0	0	0	0	0
Washington	1	0	1	0	0	2
Wichita	2	2	0	0	1	5
Wilson	4	6	4	3	1	18
Woodson	0	2	1	1	0	4
Wyandotte	178	178	143	118	101	718
Unknown	0	1	4	5	0	10
Kansas	1,417	1,298	1,063	973	841	5,592

*Pregnancies include the sum of live births, stillbirths and abortions.

Source: Bureau of Epidemiology and Public Health Informatics
Kansas Department of Health and Environment

Table 13. Pregnancy* Rates† by County of Residence by Year
Females Aged 15-17 Years, Kansas, 2009-2013

County of Residence	2009	2010	2011	2012	2013	5-year Rate
Allen	27.2	29.2	16.0	15.9	29.7	23.7
Anderson	29.2	6.3	11.8	18.9	6.4	14.7
Atchison	18.7	15.9	23.2	17.1	12.2	17.6
Barber	31.6	18.2	10.3	33.7	0.0	18.6
Barton	32.1	22.9	29.4	23.6	16.2	24.9
Bourbon	27.5	31.9	16.9	19.1	25.7	24.3
Brown	19.2	23.0	25.4	10.0	20.5	19.7
Butler	17.7	17.3	9.2	8.5	9.7	12.5
Chase	0.0	18.9	20.8	0.0	0.0	7.9
Chautauqua	13.0	0.0	15.2	0.0	16.1	8.3
Cherokee	32.3	21.2	22.6	15.6	23.4	23
Cheyenne	0.0	0.0	26.3	25.0	27.8	14.5
Clark	0.0	20.0	21.3	37.7	0.0	16.5
Clay	16.8	33.5	16.6	6.1	6.2	16.2
Cloud	21.9	42.6	5.8	11.8	17.8	20.4
Coffey	16.8	11.0	5.0	4.9	4.9	8.3
Comanche	0.0	0.0	0.0	0.0	0.0	0
Cowley	34.3	30.6	31.6	25.0	14.7	27.3
Crawford	22.2	14.8	13.8	10.3	16.7	15.5
Decatur	0.0	0.0	52.6	0.0	0.0	9
Dickinson	27.4	15.6	11.8	14.6	5.2	15
Doniphan	19.4	19.2	6.5	20.8	6.7	14.5
Douglas	11.9	13.0	11.4	7.2	7.2	10.1
Edwards	13.2	13.9	49.2	37.7	0.0	22.1
Elk	0.0	15.9	0.0	0.0	19.6	7.2
Ellis	22.6	18.3	18.0	16.1	16.2	18.2
Ellsworth	0.0	0.0	0.0	20.2	0.0	3.8
Finney	41.6	42.8	31.6	34.3	27.4	35.6
Ford	40.4	33.6	32.6	37.5	25.8	33.9
Franklin	15.5	16.8	9.3	27.4	11.9	15.9
Geary	39.9	35.4	27.1	13.6	8.3	24.6
Gove	17.5	0.0	0.0	0.0	0.0	3.5
Graham	0.0	0.0	0.0	18.5	20.4	7.8
Grant	49.5	54.2	21.9	21.1	40.4	37
Gray	6.7	0.0	17.6	19.0	18.6	12.6
Greeley	33.3	0.0	0.0	0.0	0.0	8.5
Greenwood	8.5	26.1	16.7	15.9	25.0	18.4
Hamilton	86.2	39.2	24.4	30.3	0.0	38.5
Harper	17.9	32.8	7.7	8.1	0.0	13.2
Harvey	19.8	17.3	18.2	16.4	13.8	17.1
Haskell	37.4	16.5	9.1	8.6	34.8	21.1
Hodgeman	26.3	0.0	0.0	0.0	0.0	5.2
Jackson	22.2	7.2	23.0	13.1	10.5	15.4
Jefferson	12.3	6.7	7.3	21.9	5.0	10.6
Jewell	0.0	0.0	0.0	18.9	0.0	3.6
Johnson	12.1	9.1	7.1	8.1	5.1	8.2
Kearny	28.6	22.7	10.3	10.3	30.3	20.6
Kingman	21.1	10.5	9.8	5.3	10.9	11.5
Kiowa	21.7	0.0	34.5	18.5	0.0	15.5
Labette	33.0	36.0	16.8	10.6	21.7	24.2
Lane	25.6	0.0	0.0	0.0	20.8	10.2
Leavenworth	16.7	16.2	12.6	20.7	18.4	16.9
Lincoln	31.7	15.4	31.7	18.5	17.5	23.2
Linn	15.6	29.2	15.5	20.4	30.7	22.4
Logan	35.7	18.2	0.0	0.0	22.7	15.8

Table 13. Pregnancy* Rates† by County of Residence by Year
Females Aged 15-17 Years, Kansas, 2009-2013

County of Residence	2009	2010	2011	2012	2013	5-year Rate
Lyon	22.1	29.4	22.9	21.2	24.0	23.9
Mcpherson	17.8	10.4	43.7	5.2	6.6	11.5
Marion	4.3	3.7	5.7	0.0	17.3	7
Marshall	0.0	8.0	1.7	29.1	5.5	6.7
Meade	52.1	15.0	15.9	14.3	8.0	19.4
Miami	24.8	13.6	14.8	11.6	5.4	13.9
Mitchell	0.0	0.0	17.5	0.0	0.0	3.1
Montgomery	20.4	26.9	19.8	26.3	16.7	22.1
Morris	24.2	19.4	38.8	28.8	9.3	24
Morton	80.0	28.2	39.0	24.7	36.6	41.5
Nemaha	4.5	0.0	0.0	0.0	9.2	2.7
Neosho	21.9	23.7	28.1	20.1	6.1	20.2
Ness	0.0	0.0	0.0	20.0	0.0	3.6
Norton	10.2	0.0	20.4	10.4	11.1	10.1
Osage	12.5	8.4	5.6	7.8	5.3	8
Osborne	0.0	11.6	39.0	26.7	0.0	15.6
Ottawa	0.0	14.9	11.6	6.9	0.0	7.1
Pawnee	30.3	16.9	8.8	8.8	16.1	16.6
Phillips	9.1	0.0	0.0	16.9	0.0	5.1
Pottawatomie	17.2	10.3	7.9	1.9	5.7	8.4
Pratt	20.1	20.8	20.5	16.0	5.1	16.5
Rawlins	19.6	0.0	0.0	0.0	0.0	4.5
Reno	27.9	23.5	15.9	13.5	14.7	19.1
Republic	12.2	32.6	12.7	38.0	12.8	22
Rice	42.3	20.1	11.1	11.7	32.4	24.3
Riley	26.9	16.4	19.3	13.1	9.0	17.1
Rooks	10.3	9.7	9.8	10.2	0.0	8.1
Rush	0.0	36.4	0.0	0.0	0.0	7.7
Russell	35.4	34.0	7.1	0.0	8.3	17
Saline	33.5	31.0	28.3	12.5	25.8	26
Scott	9.6	30.6	34.1	10.9	10.5	18.9
Sedgwick	34.2	29.3	22.9	20.6	19.5	25.3
Seward	61.7	48.8	55.7	33.5	37.6	47.1
Shawnee	26.3	27.2	22.9	26.5	19.6	24.5
Sheridan	0.0	0.0	0.0	0.0	20.4	4.5
Sherman	0.0	43.0	21.1	19.8	16.4	20.1
Smith	14.3	26.0	12.5	0.0	0.0	10.9
Stafford	12.5	50.5	11.5	10.9	0.0	17.8
Stanton	17.9	60.0	42.6	31.3	0.0	31.4
Stevens	32.0	20.8	8.1	13.3	29.6	20.7
Sumner	16.0	32.1	16.5	17.2	11.5	18.6
Thomas	51.1	0.0	30.7	18.0	12.0	22.2
Trego	15.9	0.0	12.0	30.3	0.0	11.6
Wabaunsee	20.8	21.9	0.0	0.0	6.5	9.6
Wallace	0.0	0.0	0.0	0.0	0.0	0
Washington	9.3	0.0	9.3	0.0	0.0	3.5
Wichita	37.0	42.6	0.0	0.0	27.0	22.1
Wilson	19.4	29.3	23.4	17.6	5.0	18.9
Woodson	0.0	45.5	16.9	16.7	0.0	14.3
Wyandotte	56.2	53.3	44.1	36.5	30.2	44
Kansas	25.2	22.4	18.4	17.0	14.6	23.7

*Pregnancies include the sum of live births, stillbirths and abortions.

†Rate per 1,000 female age-group population

2008-2012 female age-group population estimates were compiled by the U.S. Census Bureau as of 7/1 of each year.

Source: Bureau of Epidemiology and Public Health Informatics
Kansas Department of Health and Environment

Table 14. Pregnancy* Numbers and Rates†, by County of Residence by Component
Females Aged 18-19 Years, Kansas, 2013

County of Residence	Live Births		Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate†
	N	Rate†				
Allen	3	14.7	0	1	4	19.6
Anderson	6	72.3	0	0	6	72.3
Atchison	20	41.7	0	2	22	45.8
Barber	4	88.9	0	0	4	88.9
Barton	20	54.9	0	3	23	63.2
Bourbon	14	78.7	0	1	15	84.3
Brown	8	76.9	0	0	8	76.9
Butler	35	39.1	0	4	39	43.6
Chase	1	37.0	0	0	1	37.0
Chautauqua	5	138.9	0	0	5	138.9
Cherokee	17	77.6	0	0	17	77.6
Cheyenne	2	95.2	0	0	2	95.2
Clark	2	76.9	0	0	2	76.9
Clay	6	67.4	0	1	7	78.7
Cloud	8	49.7	0	1	9	55.9
Coffey	3	31.3		0	3	31.3
Comanche	2	90.9	0	0	2	90.9
Cowley	42	71.8	0	2	44	75.2
Crawford	35	42.6	1	3	39	47.5
Decatur	6	285.7	0	0	6	285.7
Dickinson	10	47.8	0	0	10	47.8
Doniphan	7	39.1	0	2	9	50.3
Douglas	45	12.4	0	17	62	17.1
Edwards	1	27.0	0	0	1	27.0
Elk	2	69.0	0	0	2	69.0
Ellis	17	28.8	0	6	23	38.9
Ellsworth	2	35.1	0	0	2	35.1
Finney	54	92.6	0	5	59	101.2
Ford	48	101.1	0	2	50	105.3
Franklin	24	67.2	0	2	26	72.8
Geary	59	156.9	0	4	63	167.6
Gove	0	0.0	0	0	0	0.0
Graham	2	83.3	0	1	3	125.0
Grant	9	88.2	0	1	10	98.0
Gray	5	64.1	0	0	5	64.1
Greeley	0	0.0	0	0	0	0.0
Greenwood	5	90.9	0	0	5	90.9
Hamilton	5	263.2	0	0	5	263.2
Harper	7	107.7	0	0	7	107.7
Harvey	36	71.6	0	0	36	71.6
Haskell	4	65.6	0	0	4	65.6
Hodgeman	1	41.7	0	0	1	41.7
Jackson	10	67.1	0	1	11	73.8
Jefferson	5	25.3	0	1	6	30.3
Jewell	4	181.8	0	0	4	181.8
Johnson	150	24.7	0	81	231	38.0
Kearny	2	50.0	0	0	2	50.0
Kingman	7	97.2	0	0	7	97.2
Kiowa	1	16.7	0	0	1	16.7
Labette	15	66.1	0	2	17	74.9
Lane	0	0.0	0	0	0	0.0
Leavenworth	46	56.6	0	7	53	65.2
Lincoln	0	0.0	0	0	0	0.0
Linn	4	47.1	0	0	4	47.1
Logan	1	40.0	0	0	1	40.0

Table 14. Pregnancy* Numbers and Rates†, by County of Residence by Component
Females Aged 18-19 Years, Kansas, 2013

County of Residence	Live Births		Stillbirths	Abortions	Total Pregnancies	Pregnancy Rate†
	N	Rate†				
Lyon	30	36.8	0	3	33	40.5
Mcperson	14	37.6	0	1	15	40.3
Marion	1	5.8	0	0	1	5.8
Marshall	7	83.3	0	0	7	83.3
Meade	6	95.2	0	0	6	95.2
Miami	21	56.3	0	3	24	64.3
Mitchell	6	81.1	0	0	6	81.1
Montgomery	40	78.9	0	0	40	78.9
Morris	3	56.6	0	1	4	75.5
Morton	1	25.0	0	0	1	25.0
Nemaha	8	69.6	2	0	10	87.0
Neosho	15	64.9	0	0	15	64.9
Ness	1	32.3	0	0	1	32.3
Norton	6	113.2	0	0	6	113.2
Osage	9	55.6	0	2	11	67.9
Osborne	6	181.8	0	1	7	212.1
Ottawa	3	40.0	0	0	3	40.0
Pawnee	1	18.2	0	0	1	18.2
Phillips	2	31.7	0	0	2	31.7
Pottawatomie	6	23.0	0	1	7	26.8
Pratt	8	53.7	0	1	9	60.4
Rawlins	3	120.0	0	0	3	120.0
Reno	57	77.4	0	1	58	78.8
Republic	3	76.9	0	0	3	76.9
Rice	10	56.8	0	0	10	56.8
Riley	39	14.8	0	18	57	21.7
Rooks	1	20.0	0	1	2	40.0
Rush	1	38.5	0	0	1	38.5
Russell	4	52.6	0	1	5	65.8
Saline	43	66.7	0	8	51	79.1
Scott	4	80.0	0	1	5	100.0
Sedgwick	484	80.7	3	58	545	90.8
Seward	37	98.7	0	0	37	98.7
Shawnee	162	77.3	1	15	178	84.9
Sheridan	1	41.7	0	0	1	41.7
Sherman	6	107.1	0	0	6	107.1
Smith	2	47.6	0	0	2	47.6
Stafford	4	90.9	0	0	4	90.9
Stanton	2	76.9	0	0	2	76.9
Stevens	7	111.1	0	0	7	111.1
Sumner	19	73.9	0	1	20	77.8
Thomas	8	41.0	0	0	8	41.0
Trego	2	60.6	0	0	2	60.6
Wabaunsee	8	127.0	0	0	8	127.0
Wallace	1	43.5	0	0	1	43.5
Washington	1	17.9	0	0	1	17.9
Wichita	0	0.0	0	0	0	0.0
Wilson	7	78.7	0	0	7	78.7
Woodson	0	0.0	0	0	0	0.0
Wyandotte	209	115.2	4	26	239	131.7
Unknown	0	n.a.	0	3	3	n.a.
Kansas	2,146	54.6	11	296	2,453	62.4
Peer Group					0	
Frontier	83	72.2	0	3	86	74.8
Rural	166	59.8	2	7	175	63.0
Densely-Settled Rural	412	57.9	0	36	448	63.0
Semi-Urban	389	49.6	1	43	433	55.2
Urban	1,096	53.6	8	204	1,308	64.0

n.a. = Not applicable

*Pregnancies include the sum of live births, stillbirths and abortions.

†Rate per 1,000 female age-group population.

Source: Bureau of Epidemiology and Public Health Informatics
Kansas Department of Health and Environment

Table 15. Pregnancies* by County of Residence by Year
Females Aged 18-19 Years, Kansas, 2009-2013

County of Residence	2009	2010	2011	2012	2013	Teenage Pregnancies 2009-2013
Allen	23	17	12	16	4	72
Anderson	8	13	10	1	6	38
Atchison	29	24	20	17	22	112
Barber	8	5	3	7	4	27
Barton	39	38	37	29	23	166
Bourbon	20	17	27	27	15	106
Brown	15	13	18	11	8	65
Butler	68	59	39	62	39	267
Chase	2	2	0	1	1	6
Chautauqua	9	0	4	4	5	22
Cherokee	27	30	32	24	17	130
Cheyenne	1	0	1	0	2	4
Clark	0	0	2	1	2	5
Clay	16	8	10	6	7	47
Cloud	13	13	9	8	9	52
Coffey	7	5	5	5	3	25
Comanche	1	2	3	0	2	8
Cowley	48	52	50	47	44	241
Crawford	71	42	45	37	39	234
Decatur	1	1	5	1	6	14
Dickinson	22	20	25	17	10	94
Doniphan	6	4	4	9	9	32
Douglas	90	80	67	82	62	381
Edwards	2	3	1	2	1	9
Elk	2	2	2	2	2	10
Ellis	25	35	19	19	23	121
Ellsworth	6	3	2	1	2	14
Finney	95	80	84	71	59	389
Ford	90	69	67	62	50	338
Franklin	38	34	26	23	26	147
Geary	80	73	83	79	63	378
Gove	1	0	0	1	0	2
Graham	2	4	4	2	3	15
Grant	20	15	12	12	10	69
Gray	7	2	3	4	5	21
Greeley	3	0	0	0	0	3
Greenwood	3	8	9	10	5	35
Hamilton	4	5	5	5	5	24
Harper	10	4	5	5	7	31
Harvey	40	37	40	40	36	193
Haskell	6	6	5	13	4	34
Hodgeman	1	1	1	0	1	4
Jackson	16	20	8	5	11	60
Jefferson	16	7	11	10	6	50
Jewell	1	1	1	4	4	11
Johnson	314	292	283	269	231	1,389
Kearny	6	7	5	4	2	24
Kingman	8	6	7	5	7	33
Kiowa	2	0	1	2	1	6
Labette	42	46	25	22	17	152
Lane	0	0	0	0	0	0
Leavenworth	74	54	69	64	53	314
Lincoln	1	2	3	2	0	8
Linn	9	7	7	10	4	37
Logan	2	0	2	2	1	7

Table 15. Pregnancies* by County of Residence by Year
Females Aged 18-19 Years, Kansas, 2009-2013

County of Residence	2009	2010	2011	2012	2013	Teenage Pregnancies 2009-2013
Lyon	33	50	42	33	33	191
Mcperson	19	20	21	27	15	102
Marion	6	12	8	8	1	35
Marshall	8	6	12	3	7	36
Meade	5	3	8	0	6	22
Miami	40	27	22	21	24	134
Mitchell	3	3	5	0	6	17
Montgomery	51	53	40	49	40	233
Morris	4	7	3	6	4	24
Morton	6	5	2	4	1	18
Nemaha	3	6	5	4	10	28
Neosho	20	27	24	29	15	115
Ness	2	4	1	2	1	10
Norton	3	2	5	1	6	17
Osage	21	16	15	15	11	78
Osborne	4	4	4	1	7	20
Ottawa	5	6	1	2	3	17
Pawnee	5	5	6	5	1	22
Phillips	1	3	4	5	2	15
Pottawatomie	17	11	15	13	7	63
Pratt	16	6	14	15	9	60
Rawlins	2	2	1	2	3	10
Reno	88	66	59	51	58	322
Republic	3	2	5	2	3	15
Rice	6	9	14	9	10	48
Riley	79	71	77	60	57	344
Rooks	5	4	4	4	2	19
Rush	2	4	0	3	1	10
Russell	11	6	6	9	5	37
Saline	80	86	65	63	51	345
Scott	7	2	4	6	5	24
Sedgwick	786	676	633	562	545	3,202
Seward	60	46	59	52	37	254
Shawnee	261	227	220	203	178	1,089
Sheridan	3	0	2	3	1	9
Sherman	6	10	5	11	6	38
Smith	2	0	1	2	2	7
Stafford	4	4	3	8	4	23
Stanton	5	2	0	3	2	12
Stevens	7	8	4	7	7	33
Sumner	26	27	28	29	20	130
Thomas	7	8	9	11	8	43
Trego	3	2	1	0	2	8
Wabaunsee	7	1	2	9	8	27
Wallace	0	1	1	0	1	3
Washington	4	1	1	1	1	8
Wichita	3	2	1	2	0	8
Wilson	18	14	9	13	7	61
Woodson	5	7	4	2	0	18
Wyandotte	350	307	266	263	239	1,425
Unknown	1	5	3	13	3	25
Kansas	3,563	3,144	2,962	2,808	2,453	14,930

*Pregnancies include the sum of live births, stillbirths and abortions.
Source: Bureau of Epidemiology and Public Health Informatics
Kansas Department of Health and Environment

Table 16. Pregnancy* Rate† by County of Residence by Year
Females Aged 18-19 Years, Kansas, 2009-2013

County of Residence	2009	2010	2011	2012	2013	5-year Rate
Allen	156.5	70.0	53.3	74.1	19.6	69.6
Anderson	90.9	158.5	135.1	12.3	72.3	93.1
Atchison	90.3	55.4	45.9	35.7	45.8	52.2
Barber	133.3	119.0	51.7	129.6	88.9	104.2
Barton	88.0	90.0	96.6	74.2	63.2	82.9
Bourbon	128.2	74.9	140.6	153.4	84.3	114.1
Brown	109.5	132.7	165.1	107.8	76.9	118.2
Butler	79.9	61.8	41.9	66.9	43.6	58.6
Chase	76.9	105.3	0.0	43.5	37.0	50.0
Chautauqua	187.5	0.0	111.1	129.0	138.9	120.9
Cherokee	110.7	116.3	138.5	103.0	77.6	109.7
Cheyenne	40.0	0.0	38.5	0.0	95.2	34.2
Clark	0.0	0.0	95.2	50.0	76.9	48.5
Clay	153.8	100.0	103.1	75.0	78.7	104.4
Cloud	67.4	72.2	48.9	44.7	55.9	58.0
Coffey	82.4	58.1	62.5	63.3	31.3	58.7
Comanche	100.0	222.2	187.5	0.0	90.9	98.8
Cowley	81.1	81.6	77.9	77.3	75.2	78.7
Crawford	76.3	46.7	49.1	46.2	47.5	53.6
Decatur	33.3	76.9	277.8	52.6	285.7	138.6
Dickinson	97.3	98.5	115.7	81.0	47.8	88.3
Doniphan	34.5	20.8	21.6	50.0	50.3	35.2
Douglas	21.3	21.4	16.8	22.6	17.1	19.8
Edwards	76.9	115.4	30.3	47.6	27.0	54.9
Elk	62.5	117.6	90.9	74.1	69.0	78.7
Ellis	32.2	50.8	26.0	31.4	38.9	35.7
Ellsworth	109.1	81.1	44.4	18.9	35.1	56.7
Finney	156.8	131.8	151.9	122.6	101.2	132.9
Ford	194.4	134.5	131.4	119.0	105.3	136.2
Franklin	105.0	89.2	70.8	63.2	72.8	80.3
Geary	197.0	132.5	201.9	199.0	167.6	176.6
Gove	32.3	0.0	0.0	43.5	0.0	15.4
Graham	83.3	235.3	200.0	100.0	125.0	142.9
Grant	180.2	151.5	129.0	137.9	98.0	140.2
Gray	114.8	24.7	34.1	54.8	64.1	55.1
Greeley	375.0	0.0	0.0	0.0	0.0	46.9
Greenwood	43.5	135.6	163.6	200.0	90.9	121.5
Hamilton	105.3	135.1	113.6	135.1	263.2	137.1
Harper	140.8	81.6	96.2	75.8	107.7	102.3
Harvey	75.0	75.7	75.5	74.8	71.6	74.5
Haskell	111.1	109.1	74.6	203.1	65.6	113.0
Hodgeman	29.4	43.5	35.7	0.0	41.7	31.7
Jackson	101.9	148.1	57.1	34.2	73.8	82.5
Jefferson	80.4	36.5	53.7	46.9	30.3	49.7
Jewell	37.0	71.4	38.5	137.9	181.8	93.2
Johnson	55.3	56.7	48.8	44.6	38.0	48.3
Kearny	87.0	137.3	111.1	87.0	50.0	95.6
Kingman	94.1	89.6	79.5	61.7	97.2	84.0
Kiowa	51.3	0.0	15.2	39.2	16.7	21.4
Labette	147.9	147.0	97.7	96.5	74.9	116.2
Lane	0.0	0.0	0.0	0.0	0.0	0.0
Leavenworth	82.3	64.1	82.1	80.1	65.2	74.9
Lincoln	38.5	87.0	90.9	64.5	0.0	56.3
Linn	89.1	71.4	73.7	135.1	47.1	81.7
Logan	47.6	0.0	55.6	62.5	40.0	42.7

Table 16. Pregnancy* Rate† by County of Residence by Year
Females Aged 18-19 Years, Kansas, 2009-2013

County of Residence	2009	2010	2011	2012	2013	5-year Rate
Lyon	39.6	63.1	47.9	41.0	40.5	46.3
Mcpherson	37.4	53.3	113.5	71.1	40.3	56.0
Marion	29.7	70.6	72.7	46.2	5.8	42.3
Marshall	70.2	64.5	32.0	31.9	83.3	47.4
Meade	106.4	78.9	131.1	0.0	95.2	80.6
Miami	104.7	74.4	69.4	60.3	64.3	75.2
Mitchell	31.6	51.7	90.9	0.0	81.1	49.9
Montgomery	128.8	89.8	77.5	99.8	78.9	93.2
Morris	59.7	118.6	52.6	127.7	75.5	84.8
Morton	136.4	116.3	57.1	153.8	25.0	95.7
Nemaha	27.3	81.1	49.5	35.1	87.0	54.5
Neosho	83.7	111.6	102.1	128.9	64.9	98.1
Ness	69.0	190.5	41.7	50.0	32.3	69.0
Norton	63.8	48.8	86.2	22.7	113.2	70.0
Osage	94.6	92.0	87.7	84.3	67.9	86.0
Osborne	108.1	142.9	88.9	22.7	212.1	107.0
Ottawa	82.0	139.5	23.3	37.0	40.0	61.6
Pawnee	78.1	90.9	98.4	80.6	18.2	74.1
Phillips	20.0	81.1	70.2	72.5	31.7	54.3
Pottawatomie	63.7	42.5	54.5	52.0	26.8	48.0
Pratt	108.1	33.9	85.9	95.5	60.4	75.6
Rawlins	66.7	111.1	37.0	83.3	120.0	80.6
Reno	130.4	71.5	71.2	66.1	78.8	81.9
Republic	55.6	64.5	104.2	41.7	76.9	68.2
Rice	19.2	47.6	69.3	47.9	56.8	45.0
Riley	27.5	25.2	26.1	22.9	21.7	24.8
Rooks	111.1	63.5	65.6	74.1	40.0	69.6
Rush	54.1	133.3	0.0	125.0	38.5	69.0
Russell	157.1	133.3	88.2	120.0	65.8	110.8
Saline	123.6	121.1	94.1	102.9	79.1	104.4
Scott	134.6	46.5	90.9	150.0	100.0	104.8
Sedgwick	137.6	101.8	101.4	91.5	90.8	104.2
Seward	190.5	117.6	154.9	148.1	98.7	140.1
Shawnee	135.6	104.0	106.6	97.7	84.9	105.3
Sheridan	103.4	0.0	117.6	115.4	41.7	81.1
Sherman	65.2	158.7	60.2	183.3	107.1	107.3
Smith	46.5	0.0	27.0	55.6	47.6	36.3
Stafford	59.7	93.0	62.5	177.8	90.9	93.1
Stanton	172.4	69.0	0.0	107.1	76.9	90.9
Stevens	93.3	125.0	45.5	93.3	111.1	90.4
Sumner	88.1	111.1	112.0	111.1	77.8	99.5
Thomas	30.6	37.0	32.1	62.5	41.0	39.2
Trego	125.0	87.0	30.3	0.0	60.6	53.0
Wabaunsee	104.5	13.9	30.8	136.4	127.0	81.1
Wallace	0.0	55.6	52.6	0.0	43.5	30.0
Washington	72.7	25.6	19.2	17.2	17.9	30.8
Wichita	120.0	153.8	45.5	80.0	0.0	79.2
Wilson	159.3	177.2	89.1	136.8	78.7	127.9
Woodson	172.4	241.4	181.8	90.9	0.0	144.0
Wyandotte	190.5	148.7	133.9	135.1	131.7	147.7
Kansas	88.5	77.6	72.2	70.8	62.4	74.4

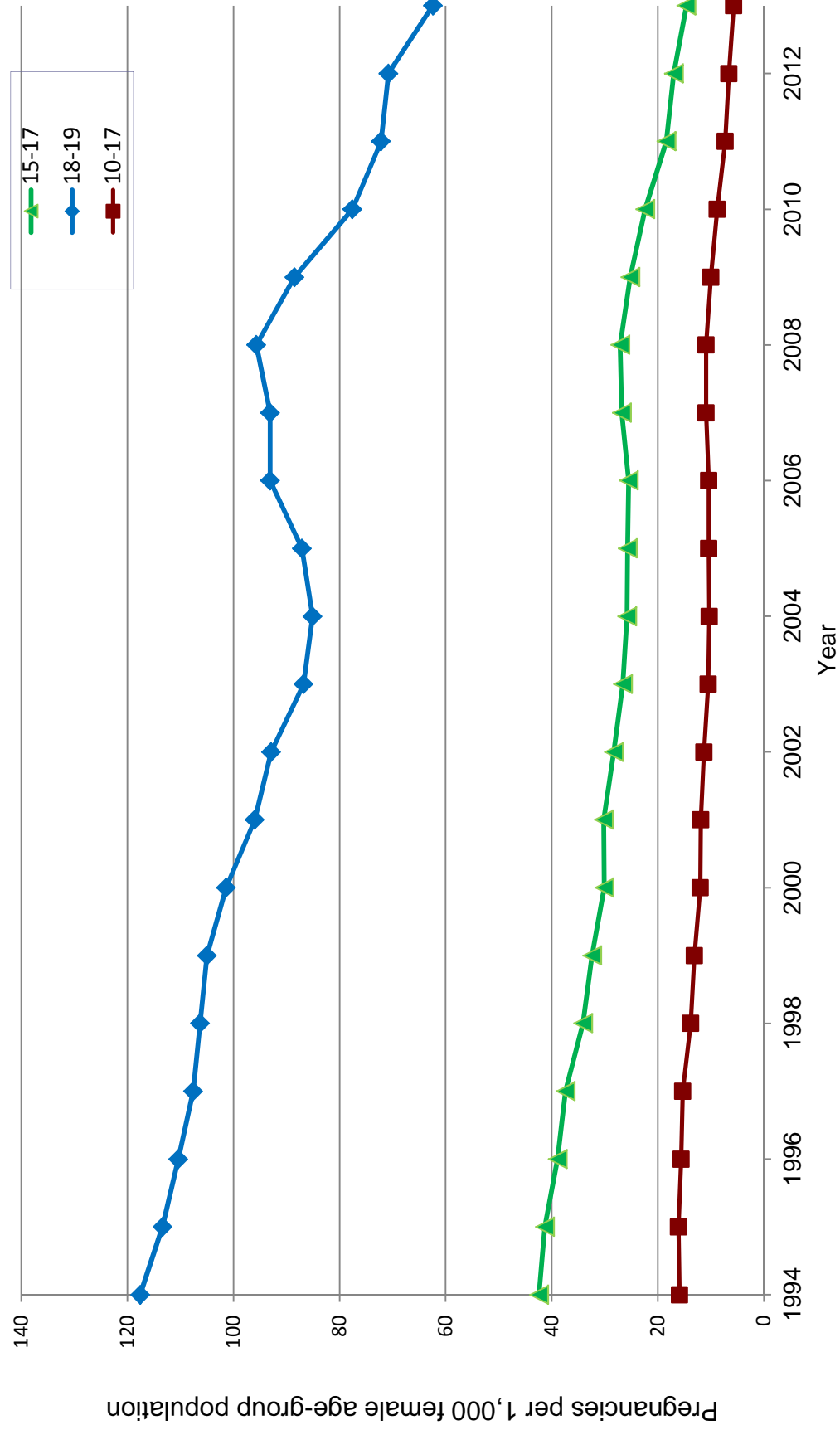
*Pregnancies include the sum of live births, stillbirths and abortions.

†Rate per 1,000 female age-group population.

2008-2012 female age-group population estimates were compiled by the U.S. Census Bureau as of 7/1 of each year.

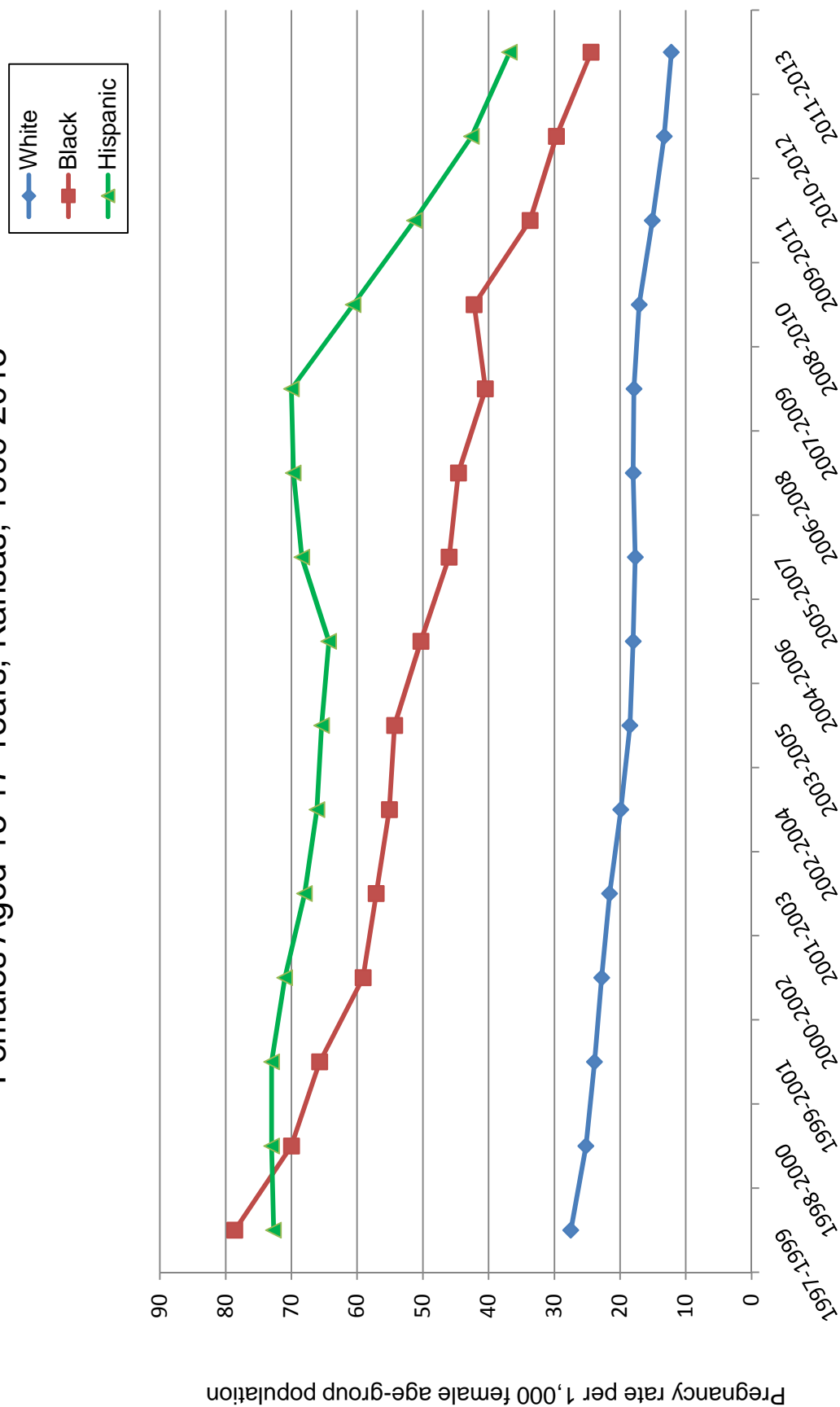
Source: Bureau of Epidemiology and Public Health Informatics
Kansas Department of Health and Environment

Figure 1. Pregnancy Rates for Selected Female Age-Groups
Kansas 1994-2013



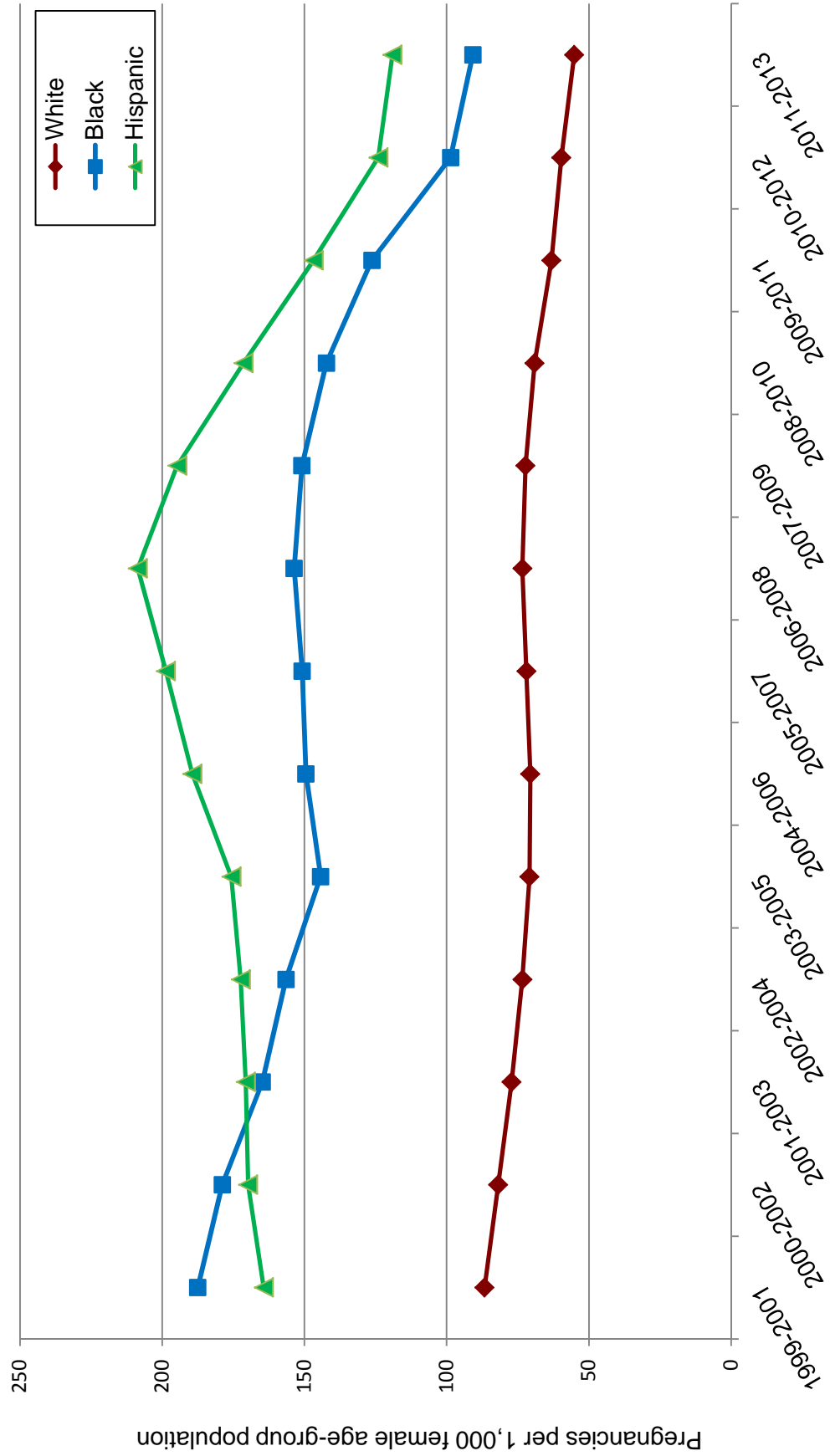
Source: Bureau of Epidemiology and Public Health Informatics
Kansas Department of Health and Environment

Figure 2. Three Year Rolling Average
Pregnancy Rates for Selected Population Groups
Females Aged 15-17 Years, Kansas, 1999-2013



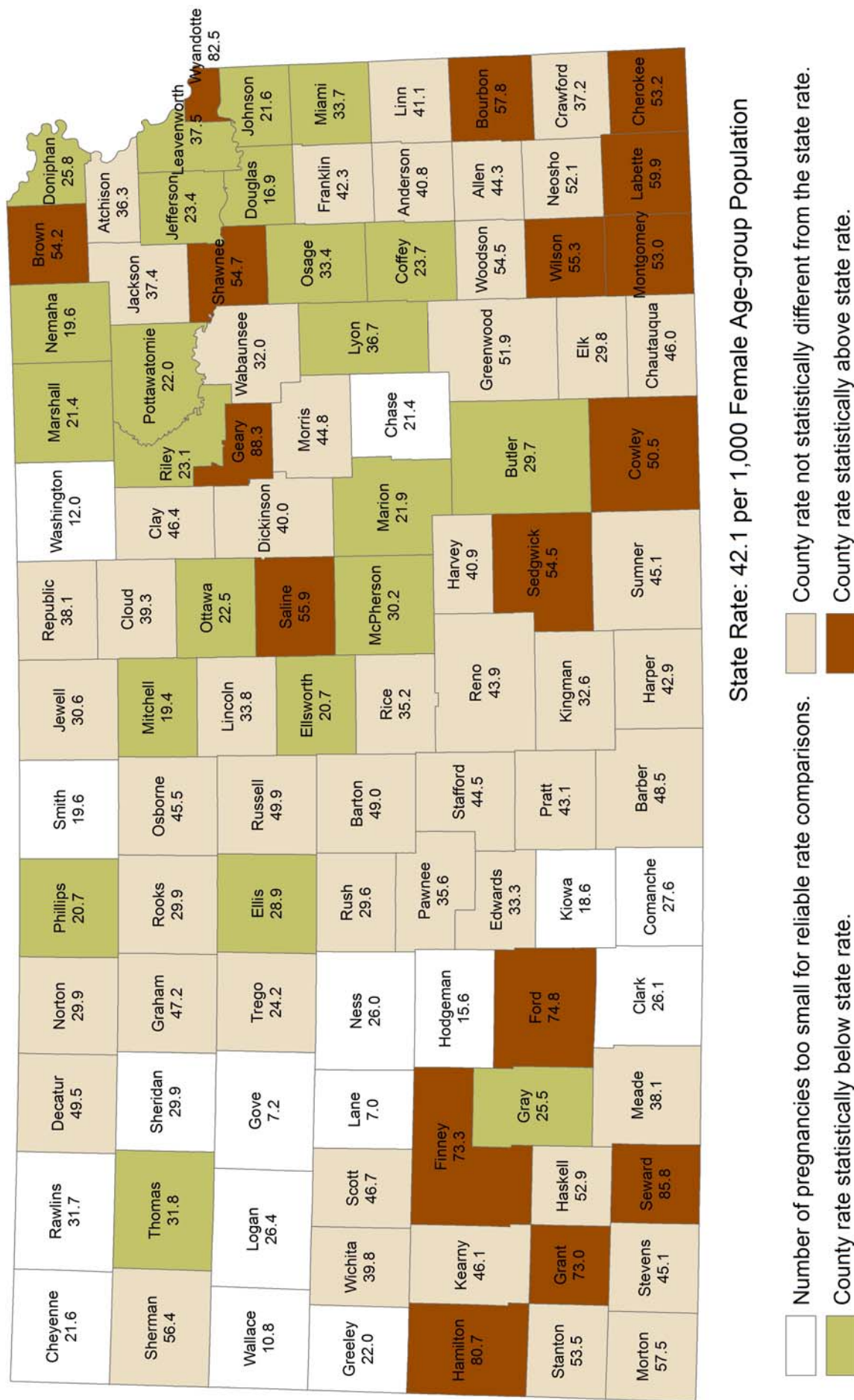
Source: Bureau of Epidemiology and Public Health Informatics
Kansas Department of Health and Environment

Figure 3. Three Year Rolling Average
Pregnancy Rates for Selected Population Groups
Females Aged 18-19 Years, Kansas 1999-2013



Source: Bureau of Epidemiology and Public Health Informatics
Kansas Department of Health and Environment

**Figure 4. County Pregnancy Rates Relative to State Pregnancy Rate
Among Females Aged 15-19 Years, Kansas, 2009-2013**



Technical Notes

Abortion (induced termination of pregnancy):	The purposeful interruption of pregnancy with the intention other than to produce a live-born infant or to remove a dead fetus and which does not result in a live birth [K.S.A. 65-2401 (4)].
Stillbirth:	Any complete expulsion or extraction from its mother of a product of human conception, the weight of which is in excess of 350 grams, irrespective of the duration of pregnancy, resulting in other than a live birth, and which is not an induced termination of pregnancy [K.S.A. 65-2401 (3)].
Live Birth:	The complete expulsion or extraction of a product of human conception from its mother, irrespective of the duration of pregnancy, that, after such expulsion or extraction, shows any evidence of life such as breathing, heartbeat, pulsation of the umbilical cord, or voluntary muscle movement, whether or not the umbilical cord has been cut or the placenta attached [K.S.A. 65-2401 (2)].
Residence Data:	Residence data is information compiled according to the usual residence regardless of where the event occurred (including events occurring out-of-state).
Teenage Pregnancy Components:	A live birth, stillbirth, or abortion occurring to a female under 20 years of age.
Teenage Pregnancy Rate:	$\frac{\text{live births, stillbirths, abortions for females in a specific age-group}}{\text{female population in the same specific age-group}} \times 1,000$

Rate Reliability

Vital statistics are easily influenced by random variation, and single-year rates can fluctuate from year to year. A multiple-year rate, such as a 5-year rate calculated as the sum of the numerators in each year divided by the sum of the denominators in each year and multiplied by 1,000 would be more accurate in formulating conclusions on vital events. For example, between 2009 and 2013, the adolescent and teen pregnancy rate for Kansas varied from 26.8 to 17.1 pregnancies per 1,000 females aged 10-19 years population. The 2009-2013 5-year teenage pregnancy rate was 21.5 (Table 5). The 5-year rate decreases the variability in single-year rate comparisons and is a more reliable indicator of teenage pregnancy rates in Kansas.

A small increase or decrease in the number of events in a small geographic area can have a major impact on a population-based rate. For example, in 2013 Stanton County had two pregnancies among women aged 10-19 and a population of 144 females aged

10-19 years. Johnson County had 295 pregnancies among women aged 10-19 and a population of 38,172 females aged 10-19 years of age. The Stanton County rate was 13.9 pregnancies per 1,000 female age-group population, while the Johnson County rate was 7.7. Had five more pregnancies occurred to women aged 10-19 in each county, the Stanton County rate would have increased by more than threefold to 48.6 pregnancies per 1,000 female age-group population, and the Johnson County rate, by comparison, would have increased fractionally to 8.0 pregnancies per 1,000 female age-group population. Readers should use caution to avoid misleading conclusions when comparing rates of vital events between geographic areas with significantly different populations.

Unknowns

County of residence is collected for all vital events that occur in Kansas. However, some states that share vital event data with Kansas may not collect the county of residence (this is the case with several states that collect abortion data), or may not include it in their data export to the KDHE Office of Vital Statistics. Events for which the county of residence is not known are included in the state total and in the “Unknown” row in tables that break down pregnancy outcomes by county.

Population

1988-1989, 1991-1999, 2002-2009 and 2011-2013 female age-group population estimates and actual population counts for 1990, 2000 and 2010 were obtained from the U.S. Census Bureau on the Internet at: <http://www.census.gov/popest/estimates.php>. The 2001 female age-group population estimates were compiled by the Kansas Department of Health and Environment based on the 2000 Census counts.

2003-2013 female age-group county population estimates were obtained from the Bridged-race Vintage 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012 and 2013 postcensal series by year, age, sex, race, and Hispanic origin, prepared under a collaborative arrangement between the National Center for Health Statistics (NCHS) and the U.S. Census Bureau. The population data are at the Centers for Disease Control and Prevention website at: <http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm>.

Peer Groups

For various demographic studies, it is useful to consider groups of counties with similar characteristics. “Peer Groups” of counties, as used in this summary, are defined as those with similar population density based on their 2000 or 2010 actual census counts. In order to facilitate a time series comparison, the assignment of counties to their peer group remains unchanged until the next decennial census. They will not necessarily have similar values for any other indicators. Frontier counties are defined as those with less than 6.0 persons per square mile, Rural counties as those with 6.0 - 19.9 persons per square mile, Densely-Settled Rural counties as those with 20.0 - 39.9 persons per square mile, Semi-Urban counties as those with 40.0 - 149.9 persons per square mile, and Urban counties as those with 150.0 or more persons per square mile. These definitions originated with the Kansas Department of Health and Environment, Office of Local and Rural Health, and should *not* be confused with the U.S. Census Bureau’s

(USCB) definitions of urban and rural areas. Sources for calculation of population densities are population figures from the 2000 U.S. Census and land areas from the 2000 U.S. Census (for years before 2010). For 2010, populations and land areas were taken from the 2010 U.S. Census.

Counties are grouped in population density peer groups as follows:

Frontier	Trego	Washington	Miami
Barber	Wallace	Wilson	Montgomery
Chase	Wichita	Woodson	Reno
Chautauqua			Riley
Cheyenne	Rural	Densely-Settled	Saline
Clark	Anderson	Rural	
Comanche	Brown	Allen	Urban
Decatur	Clay	Atchison	Douglas
Edwards	Cloud	Barton	Johnson
Elk	Coffey	Bourbon	Leavenworth
Gove	Ellsworth	Cherokee	Sedgwick
Greenwood	Grant	Cowley	Shawnee
Graham	Gray	Dickinson	Wyandotte
Greeley	Harper	Doniphan	
Hamilton	Haskell	Ellis	
Hodgeman	Kingman	Finney	
Jewell	Linn	Ford	
Kearny	Marion	Jackson	
Kiowa	Marshall	Jefferson	
Lane	Mitchell	Labette	
Lincoln	Morris	Lyon	
Logan	Nemaha	McPherson	
Meade	Norton	Neosho	
Morton	Ottawa	Osage	
Ness	Pawnee	Pottawatomie	
Osborne	Phillips	Seward	
Rawlins	Pratt	Sumner	
Rooks	Republic		
Rush	Rice	Semi-Urban	
Sheridan	Russell	Butler	
Sherman	Scott	Crawford	
Smith	Stevens	Franklin	
Stafford	Thomas	Geary	
Stanton	Wabaunsee	Harvey	

Statistical Significance

The following methods have been applied where statistically significant differences have been noted in the document. When Kansas data are evaluated by county, small numbers of events may affect rate reliability. The relative standard error was used to determine if the number of events was large enough to calculate stable rates. Values with a relative standard error of 30 percent or less were considered reliable. This is consistent with standard National Center for Health Statistics (NCHS) practice [1, 2].

Statistical significance was determined using confidence intervals calculated at the 95 percent level. When the number of events was greater than or equal to 100, the normal distribution was used. When the number of events was less than 100 the poisson distribution was used. This is the scientific standard estimation of significance. If confidence intervals do not overlap, the difference between the rates is statistically significant [3].

1. Mathews TJ, MacDorman MF. (2010). Infant mortality statistics from the 2006 period linked birth/infant death data set. National Vital Statistics Reports; vol 58 no 17. Hyattsville, MD: National Center for Health Statistics. 2010.
2. Cohen RA, Martinez, ME. (2009). Consumer-directed health care for persons under 65 years of age with private health insurance: United States, 2007. NCHS data brief, no. 15. Hyattsville, MD: National Center for Health Statistics, pg. 8.
3. Washington State Health Department. (2006). Guidelines for using confidence intervals for public health assessment. [Cited: 16 Dec 2011], Available from <http://www.doh.wa.gov/data/Guidelines/guidelines.htm>

Kansas Department of Health and Environment
Office of Vital Statistics

CERTIFICATE OF STILLBIRTH (FETAL DEATH)

State File Number

1. NAME (First, Middle, Last, Suffix)		2. DATE OF DELIVERY (Month, Day, Year)	3. TIME OF DELIVERY <div style="text-align: right;">M</div>
4. SEX	5. CITY, TOWN, OR LOCATION OF DELIVERY		6. COUNTY OF DELIVERY
7. PLACE OF DELIVERY <input type="checkbox"/> Hospital <input type="checkbox"/> Freestanding Birthing Center <input type="checkbox"/> Home Delivery <input type="checkbox"/> Clinic/Doctor's Office <input type="checkbox"/> Other (Specify) _____		8. FACILITY NAME (If not institution, give street and number and zip code)	
9. MOTHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)			10. MOTHER'S LAST NAME PRIOR TO FIRST MARRIAGE
11. DATE OF BIRTH (Month, Day, Year)	12. BIRTHPLACE (State, Territory, or Foreign Country)		13. PRESENT RESIDENCE-STATE
14. COUNTY	15. CITY, TOWN, OR LOCATION	16. STREET AND NUMBER OF PRESENT RESIDENCE	
17. ZIPCODE	18. INSIDE CITY LIMITS? <div style="text-align: center;"><input type="checkbox"/> Yes <input type="checkbox"/> No</div>	19. MOTHER'S MAILING ADDRESS (If same as residence, leave blank)	
20. FATHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)		21. DATE OF BIRTH (Month, Day, Year)	22. BIRTHPLACE (State, Territory, or Foreign Country)
23. I CERTIFY THAT THE PERSONAL INFORMATION PROVIDED ON THE CERTIFICATE IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. Signature of Parent (or Other Informant) ➤			24. DATE SIGNED (Month, Day, Year)
25. CAUSE/CONDITIONS CONTRIBUTING TO FETAL DEATH			
25a. INITIATING CAUSE/CONDITION (Among the choices below, please select the <u>one</u> which most likely began the sequence of events resulting in the death of the fetus.)			
Maternal Conditions/Diseases (Specify) _____			
Complications of Placenta, Cord, or Membranes – <input type="checkbox"/> Rupture of membranes prior to onset of labor <input type="checkbox"/> Abruptio placenta <input type="checkbox"/> Placental insufficiency <input type="checkbox"/> Prolapsed cord			
<input type="checkbox"/> Chorioamnionitis <input type="checkbox"/> Other (Specify) _____			
Other Obstetrical or Pregnancy Complications (Specify) _____		Fetal Anomaly (Specify) _____	
Fetal Injury (Specify) _____		Fetal Infection (Specify) _____	
Other Fetal Conditions/Disorders (Specify) _____		<input type="checkbox"/> Unknown	
25b. OTHER SIGNIFICANT CAUSES OR CONDITIONS (Select or specify all other conditions contributing to death in item 25a.)			
Maternal Conditions/Diseases (Specify) _____			
Complications of Placenta, Cord, or Membranes – <input type="checkbox"/> Rupture of membranes prior to onset of labor <input type="checkbox"/> Abruptio placenta <input type="checkbox"/> Placental insufficiency <input type="checkbox"/> Prolapsed cord			
<input type="checkbox"/> Chorioamnionitis <input type="checkbox"/> Other (Specify) _____			
Other Obstetrical or Pregnancy Complications (Specify) _____		Fetal Anomaly (Specify) _____	
Fetal Injury (Specify) _____		Fetal Infection (Specify) _____	
Other Fetal Conditions/Disorders (Specify) _____		<input type="checkbox"/> Unknown	
26. ESTIMATED TIME OF FETAL DEATH <input type="checkbox"/> Dead at time of first assessment, no labor ongoing <input type="checkbox"/> Dead at time of first assessment, labor ongoing <input type="checkbox"/> Died during labor, after first assessment <input type="checkbox"/> Unknown time of fetal death		27a. WAS AN AUTOPSY PERFORMED? <div style="text-align: center;"><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Planned</div>	27b. WAS A HISTOLOGICAL PLACENTAL EXAMINATION PERFORMED? <div style="text-align: center;"><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Planned</div>
		27c. WERE AUTOPSY OR HISTOLOGICAL PLACENTAL EXAMINATION RESULTS USED IN DETERMINING THE CAUSE OF FETAL DEATH? <div style="text-align: center;"><input type="checkbox"/> Yes <input type="checkbox"/> No</div>	
28. I CERTIFY THAT THIS DELIVERY OCCURRED ON THE DATE STATED ABOVE AND THE FETUS WAS BORN DEAD. Signature ➤		29. DATE SIGNED (Month, Day, Year)	30. ATTENDANT'S NAME AND TITLE (If delivery not attended by physician) Name (Type) _____ <div style="text-align: center;"><input type="checkbox"/> CNM/CM <input type="checkbox"/> Other Midwife <input type="checkbox"/> Other (Specify) _____</div>
31. CERTIFIER'S NAME AND TITLE (Type) <div style="text-align: center;"><input type="checkbox"/> M.D. <input type="checkbox"/> D.O. <input type="checkbox"/> Other (Specify) _____</div>		32. CERTIFIER'S MAILING ADDRESS (Street and Number or Rural Route, City or Town, State, Zip Code)	
		33a. METHOD OF DISPOSITION <input type="checkbox"/> Burial <input type="checkbox"/> Cremation <input type="checkbox"/> Donation <input type="checkbox"/> Hospital Disposition <input type="checkbox"/> Removal from State <input type="checkbox"/> Other (Specify) _____	
33b. PLACE OF DISPOSITION (Name of cemetery, crematory, or other place)		33c. LOCATION (City or Town, and State)	
34. FUNERAL DIRECTOR OR HOSPITAL ADMINISTRATOR Signature ➤		35. FIRM OR HOSPITAL NAME AND ADDRESS	
		36. DATE FILED BY STATE REGISTRAR (Month, Day, Year)	

37. IF HOME DELIVERY, WAS DELIVERY PLANNED AT HOME? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown				38. MATERNAL RECORD NO.			
39a. WAS MOTHER EVER MARRIED? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		39b. MOTHER MARRIED? (At birth, conception or any time between) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown					
40. PARENT'S HISPANIC ORIGIN (Check the box or boxes that best describes whether the parent is Spanish, Hispanic, or Latino. Check the "no" box if the parent is not Spanish, Hispanic, or Latino.)		41. PARENT'S RACE (Check one or more races to indicate what you consider yourself to be.)					
40a. MOTHER- <input type="checkbox"/> No, not Spanish/Hispanic/Latina <input type="checkbox"/> Yes, Mexican/Mexican American/Chicana <input type="checkbox"/> Yes, Puerto Rican <input type="checkbox"/> Yes, Cuban <input type="checkbox"/> Yes, Central American <input type="checkbox"/> Yes, South American <input type="checkbox"/> Yes, other Spanish/Hispanic/Latina (Specify) _____ <input type="checkbox"/> Unknown		40b. FATHER- <input type="checkbox"/> No, not Spanish/Hispanic/Latino <input type="checkbox"/> Yes, Mexican/Mexican American/Chicano <input type="checkbox"/> Yes, Puerto Rican <input type="checkbox"/> Yes, Cuban <input type="checkbox"/> Yes, Central American <input type="checkbox"/> Yes, South American <input type="checkbox"/> Yes, other Spanish/Hispanic/Latino (Specify) _____ <input type="checkbox"/> Unknown		41a. MOTHER <input type="checkbox"/> White <input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribes) _____ <input type="checkbox"/> Asian Indian <input type="checkbox"/> Chinese <input type="checkbox"/> Filipino <input type="checkbox"/> Japanese <input type="checkbox"/> Korean <input type="checkbox"/> Vietnamese <input type="checkbox"/> Other Asian (Specify) _____ <input type="checkbox"/> Native Hawaiian <input type="checkbox"/> Guamanian or Chamorro <input type="checkbox"/> Samoan <input type="checkbox"/> Other Pacific Islander (Specify) _____ <input type="checkbox"/> Other (Specify) _____ <input type="checkbox"/> Unknown		41b. FATHER <input type="checkbox"/> White <input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribes) _____ <input type="checkbox"/> Asian Indian <input type="checkbox"/> Chinese <input type="checkbox"/> Filipino <input type="checkbox"/> Japanese <input type="checkbox"/> Korean <input type="checkbox"/> Vietnamese <input type="checkbox"/> Other Asian (Specify) _____ <input type="checkbox"/> Native Hawaiian <input type="checkbox"/> Guamanian or Chamorro <input type="checkbox"/> Samoan <input type="checkbox"/> Other Pacific Islander (Specify) _____ <input type="checkbox"/> Other (Specify) _____ <input type="checkbox"/> Unknown	
42. ANCESTRY - What is the parents' ancestry or ethnic origin? - Italian, German, Dominican, Vietnamese, Hmong, French Canadian, etc. (Specify below)		43. OCCUPATION AND BUSINESS/INDUSTRY					
		Occupation		Business/Industry (Do not give name of company.)			
42a. MOTHER		43a. MOTHER (Most recent)		43c. MOTHER			
42b. FATHER		43b. FATHER (Usual)		43d. FATHER			
44. EDUCATION (Check the box that best describes the highest degree or level of school completed at the time of delivery.)							
44a. MOTHER'S EDUCATION <input type="checkbox"/> 8 th grade or less <input type="checkbox"/> Some College credit, but no degree <input type="checkbox"/> Master's degree (e.g., MA, MS, MEd, MSW, MBA) <input type="checkbox"/> Unknown		<input type="checkbox"/> 9 th - 12 th grade, no diploma <input type="checkbox"/> Associate degree (e.g., AA, AS) <input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)		<input type="checkbox"/> High school graduate or GED <input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS)			
44a. FATHER'S EDUCATION <input type="checkbox"/> 8 th grade or less <input type="checkbox"/> Some College credit, but no degree <input type="checkbox"/> Master's degree (e.g., MA, MS, MEd, MSW, MBA) <input type="checkbox"/> Unknown		<input type="checkbox"/> 9 th - 12 th grade, no diploma <input type="checkbox"/> Associate degree (e.g., AA, AS) <input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)		<input type="checkbox"/> High school graduate or GED <input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS)			
45. PREVIOUS LIVE BIRTHS (Do not include this child.)		46. NUMBER OF OTHER OUTCOMES (Spontaneous or induced losses or ectopic or stillbirth pregnancies)		47. PLURALITY - Single, Twin, Triplet, etc. (Specify)			
45a. Now living Number _____ <input type="checkbox"/> None	45b. Now dead Number _____ <input type="checkbox"/> None	46a. Before 20 weeks Number _____ <input type="checkbox"/> None	46b. 20 weeks & over Number _____ <input type="checkbox"/> None	48. IF NOT A SINGLE BIRTH - Born First, Second, Third, etc. (Specify)			
45c. DATE OF LAST LIVE BIRTH (Month, Year)		46c. DATE OF LAST OTHER PREGNANCY OUTCOME (Month, Year)		49. DATE LAST NORMAL MENSES BEGAN (Month, Day, Year)			
				50. OBSTETRIC ESTIMATE OF GESTATION (Completed Weeks)			
52. PRENATAL CARE? <input type="checkbox"/> Yes <input type="checkbox"/> No		53. DATE OF FIRST PRENATAL CARE VISIT (Month, Day, Year)		54. DATE OF LAST PRENATAL CARE VISIT (Month, Day, Year)			
				55. PRENATAL VISIT - Total number (If none, enter "0")			
56. CIGARETTE SMOKING BEFORE & DURING PREGNANCY: Did mother smoke 3 mos. before or during pregnancy? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown For each time period, enter either the number of cigarettes or the number of packs of cigarettes smoked per day. If none, enter "0". Average number of cigarettes or packs of cigarettes smoked per day: Three months before pregnancy: _____ cigarettes or _____ packs First three months of pregnancy: _____ cigarettes or _____ packs Second three months of pregnancy: _____ cigarettes or _____ packs Third Trimester of pregnancy: _____ cigarettes or _____ packs				57. PRINCIPAL SOURCE OF PAYMENT FOR THIS DELIVERY <input type="checkbox"/> Medicaid <input type="checkbox"/> Private/Employer Ins. <input type="checkbox"/> Self-pay <input type="checkbox"/> Indian Health Service <input type="checkbox"/> CHAMPUS/TRICARE <input type="checkbox"/> Other government <input type="checkbox"/> Other <input type="checkbox"/> Unknown			
				58a. MOTHER TRANSFERRED IN FOR DELIVERY DUE TO MATERNAL, MEDICAL, OR FETAL INDICATIONS? <input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, enter facility name)			
				58b. FACILITY TRANSFERRED FROM:			

PRENATAL	LABOR-DELIVERY/STILLBORN FETUS
<p>59. NUTRITION OF MOTHER</p> <p>1. Height _____</p> <p>2. Prepregnancy Weight _____</p> <p>3. Weight at delivery _____</p> <p>4. Did mother get WIC food for herself? Yes _____ No _____ Unknown _____</p> <p>60. MEDICAL RISK FACTORS (Check all that apply.)</p> <p>1. <input type="checkbox"/> Diabetes, prepregnancy</p> <p>2. <input type="checkbox"/> Diabetes, gestational</p> <p>3. Hypertension <input type="checkbox"/> Prepregnancy (Chronic) <input type="checkbox"/> Gestational (PIH, preeclampsia) <input type="checkbox"/> Eclampsia</p> <p>4. <input type="checkbox"/> Previous preterm birth</p> <p>5. <input type="checkbox"/> Other previous poor pregnancy outcome (SGA, perinatal death, etc.)</p> <p>6. <input type="checkbox"/> Vaginal bleeding during this pregnancy prior to labor</p> <p>7. <input type="checkbox"/> Pregnancy resulted from infertility treatment (If yes, check all that apply.) <input type="checkbox"/> Fertility-enhancing drugs, Artificial insemination or Intrauterine insemination <input type="checkbox"/> Assisted reproductive technology (e.g. in vitro fertilization (IVF), gamete intrafallopian transfer (GIFT))</p> <p>8. <input type="checkbox"/> Mother had a previous cesarean delivery, if yes, how many Number _____</p> <p>9. <input type="checkbox"/> Alcohol use No. of drinks per week: _____</p> <p>10. <input type="checkbox"/> None of the above</p> <p>61. METHOD OF DELIVERY</p> <p>1. Forceps attempted? Yes _____ No _____ Successful: Yes _____ No _____</p> <p>2. Vacuum extraction attempted? Yes _____ No _____ Successful: Yes _____ No _____</p> <p>3. Fetal presentation at delivery <input type="checkbox"/> Cephalic <input type="checkbox"/> Breech <input type="checkbox"/> Other</p> <p>4. Final route and method of delivery (check one) <input type="checkbox"/> Vaginal/spontaneous <input type="checkbox"/> Vaginal/forceps <input type="checkbox"/> Vaginal/vacuum <input type="checkbox"/> Cesarean, if cesarean was a trial of labor attempted? Yes _____ No _____</p> <p>5. Hysterotomy/Hysterectomy Yes _____ No _____</p>	<p>62. MATERNAL MORBIDITY (Check all that apply.) (These are complications associated with labor and delivery.)</p> <p>1. <input type="checkbox"/> Maternal transfusion</p> <p>2. <input type="checkbox"/> Third or fourth degree perineal laceration</p> <p>3. <input type="checkbox"/> Ruptured uterus</p> <p>4. <input type="checkbox"/> Unplanned hysterectomy</p> <p>5. <input type="checkbox"/> Admission to intensive care unit</p> <p>6. <input type="checkbox"/> Unplanned operating room procedure following delivery</p> <p>7. <input type="checkbox"/> None of the above</p> <p>63. INFECTIONS PRESENT AND/OR TREATED (During this pregnancy, check all that apply.)</p> <p>1. <input type="checkbox"/> Gonorrhea</p> <p>2. <input type="checkbox"/> Syphilis</p> <p>3. <input type="checkbox"/> Herpes Simplex Virus (HSV)</p> <p>4. <input type="checkbox"/> Chlamydia</p> <p>5. <input checked="" type="checkbox"/> Listeria</p> <p>6. <input type="checkbox"/> Group B Streptococcus</p> <p>7. <input type="checkbox"/> Cytomegalovirus</p> <p>8. <input type="checkbox"/> Parvo virus</p> <p>9. <input type="checkbox"/> Toxoplasmosis</p> <p>10. <input type="checkbox"/> AIDS or HIV antibody</p> <p>11. <input type="checkbox"/> None of the above</p> <p>12. <input type="checkbox"/> Other (Specify) _____</p> <p>64. CONGENITAL ANOMALIES OF THE NEWBORN (Check all that apply.)</p> <p>1. <input type="checkbox"/> Anencephaly</p> <p>2. <input checked="" type="checkbox"/> Meningocele/Spina bifida</p> <p>3. <input type="checkbox"/> Cyanotic congenital heart disease</p> <p>4. <input type="checkbox"/> Congenital diaphragmatic hernia</p> <p>5. <input type="checkbox"/> Omphalocele</p> <p>6. <input type="checkbox"/> Gastroschisis</p> <p>7. <input type="checkbox"/> Limb reduction defect (excluding congenital amputation and dwarfing syndromes)</p> <p>8. <input type="checkbox"/> Cleft Lip with or without Cleft Palate</p> <p>9. <input type="checkbox"/> Cleft Palate alone</p> <p>10. <input type="checkbox"/> Down Syndrome <input type="checkbox"/> Karyotype confirmed <input type="checkbox"/> Karyotype pending</p> <p>11. <input type="checkbox"/> Suspected chromosomal disorder <input type="checkbox"/> Karyotype confirmed <input type="checkbox"/> Karyotype pending</p> <p>12. <input type="checkbox"/> Hypospadias</p> <p>13. <input type="checkbox"/> Fetal alcohol syndrome</p> <p>14. <input type="checkbox"/> Other congenital anomalies (Specify) _____</p> <p>15. <input type="checkbox"/> None of the above</p>

THIS IS NOT PART OF THE CERTIFICATE OF STILLBIRTH

Test required by K.S.A. 65-153F, 153G

Serological Test Made: _____ 1st _____ 2nd _____ 3rd (Trimester) _____ At Delivery _____ Not Performed

If no test made, state reason: _____

Kansas Department of Health and Environment
Office of Vital Statistics

CERTIFICATE OF LIVE BIRTH

115-

State File Number

1. CHILD'S NAME (First, Middle, Last, Suffix)			2. DATE OF BIRTH (Month, Day, Year)		3. TIME OF BIRTH M		
4. SEX		5. BIRTH WEIGHT (Grams)		6. CITY, TOWN, OR LOCATION OF BIRTH		7. COUNTY OF BIRTH	
8. PLACE OF BIRTH <input type="checkbox"/> Hospital <input type="checkbox"/> Freestanding Birthing Center <input type="checkbox"/> Home Birth <input type="checkbox"/> Clinic/Doctor's Office <input type="checkbox"/> Other (Specify) _____				9. FACILITY NAME (If not institution, give street and number)			
10. I CERTIFY THAT THE STATED INFORMATION CONCERNING THIS CHILD IS TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF. Certifier's Signature ➤ _____			11. DATE SIGNED (Month, Day, Year)		12. ATTENDANT'S NAME AND TITLE (Type) Name _____ <input type="checkbox"/> M.D. <input type="checkbox"/> D.O. <input type="checkbox"/> C.N.M. <input type="checkbox"/> Other Midwife <input type="checkbox"/> Other (Specify) _____		
13. Certifier's Name and Title (Type) Name _____ <input type="checkbox"/> M.D. <input type="checkbox"/> D.O. <input type="checkbox"/> Hosp Adm. <input type="checkbox"/> C.N.M. <input type="checkbox"/> Other Midwife <input type="checkbox"/> Other (Specify) _____			14. ATTENDANT'S MAILING ADDRESS (Street and Number or Rural Route, City, or Town, State, Zip Code)				
15. MOTHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)				16. MOTHER'S LAST NAME PRIOR TO FIRST MARRIAGE			
17. DATE OF BIRTH (Month, Day, Year)		18. BIRTHPLACE (State, Territory, or Foreign Country)		19. PRESENT RESIDENCE-STATE			
20. COUNTY		21. CITY, TOWN, OR LOCATION		22. STREET AND NUMBER OF PRESENT RESIDENCE			
23. ZIP CODE		24. INSIDE CITY LIMITS? <input type="checkbox"/> YES <input type="checkbox"/> NO		25. MOTHER'S MAILING ADDRESS (If same as residence, leave blank)			
26. FATHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)			27. DATE OF BIRTH (Month, Day, Year)		28. BIRTHPLACE (State, Territory, or Foreign Country)		
29. PARENTS REQUEST SOCIAL SECURITY NUMBER ISSUANCE? <input type="checkbox"/> YES <input type="checkbox"/> NO			30. IMMUNIZATION REGISTRY I wish to enroll my child in the Immunization Registry <input type="checkbox"/> YES <input type="checkbox"/> NO				
31. I CERTIFY THAT THE PERSONAL INFORMATION PROVIDED ON THE CERTIFICATE IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. Signature of Parent (or Other Informant) ➤ _____			32. DATE SIGNED (Month, Day, Year)		33. DATE FILED BY STATE REGISTRAR (Month, Day, Year) (Vital Statistics only)		

CHILD'S NAME _____

MOTHER'S NAME _____

PRENATAL (Birth)		LABOR-DELIVERY/NEWBORN				
63. NUTRITION OF MOTHER (Check all that apply.) 1. Height _____ 2. Prepregnancy Weight _____ 3. Weight at delivery _____ 4. Did mother get WIC food for herself? Yes _____ No _____ Unknown _____		66. OBSTETRICAL PROCEDURES (Check all that apply.) 1. <input type="checkbox"/> Cervical cerclage 2. <input type="checkbox"/> Tocolysis 3. External cephalic version: <input type="checkbox"/> Successful <input type="checkbox"/> Failed 4. <input type="checkbox"/> None of the above				
64. MEDICAL RISK FACTORS (Check all that apply.) 1. <input type="checkbox"/> Diabetes, prepregnancy 2. <input type="checkbox"/> Diabetes, gestational 3. Hypertension <input type="checkbox"/> Prepregnancy (Chronic) <input type="checkbox"/> Gestational (PIH, preeclampsia) <input type="checkbox"/> Eclampsia 4. <input type="checkbox"/> Previous preterm birth 5. <input type="checkbox"/> Other previous poor pregnancy outcome (SGA, perinatal death, etc.) 6. <input type="checkbox"/> Vaginal bleeding during this pregnancy prior to labor 7. <input type="checkbox"/> Pregnancy resulted from infertility treatment (If yes, check all that apply.) <input type="checkbox"/> Fertility-enhancing drugs, Artificial insemination or Intrauterine insemination <input type="checkbox"/> Assisted reproductive technology (e.g. in vitro fertilization (IVF), gamete intrafallopian transfer (GIFT)) 8. <input type="checkbox"/> Mother had a previous cesarean delivery, if yes, how many? Number: _____ 9. <input type="checkbox"/> Alcohol use No. of drinks per week: _____ 10. <input type="checkbox"/> None of the above		70. INFECTIONS PRESENT AND/OR TREATED (During this pregnancy, check all that apply.) 1. <input type="checkbox"/> Gonorrhea 2. <input type="checkbox"/> Syphilis 3. <input type="checkbox"/> Herpes Simplex Virus (HSV) 4. <input type="checkbox"/> Chlamydia 5. <input type="checkbox"/> Hepatitis B 6. <input type="checkbox"/> Hepatitis C 7. <input type="checkbox"/> AIDS or HIV antibody 8. <input type="checkbox"/> None of the above				
		71. ABNORMAL CONDITIONS OF NEWBORN (Check all that apply) 1. <input type="checkbox"/> Assisted ventilation required immediately following delivery 2. <input type="checkbox"/> Assisted ventilation required for more than six hours 3. <input type="checkbox"/> NICU admission 4. <input type="checkbox"/> Newborn given surfactant replacement therapy 5. <input type="checkbox"/> Antibiotics received by the newborn for suspected neonatal sepsis 6. <input type="checkbox"/> Seizure or serious neurologic dysfunction 7. <input type="checkbox"/> Significant birth injury (skeletal fracture(s), peripheral nerve injury, and/or soft tissue/solid organ hemorrhage which requires intervention) 8. <input type="checkbox"/> None of the above				
		72. VACCINES ADMINISTERED TO NEWBORN 1. <input type="checkbox"/> Hepatitis B Date Given: _____ 2. <input type="checkbox"/> Other* Specify: _____ Date Given: _____				
		73. APGAR SCORE <table border="1"> <tr> <td>1 min</td> <td>5 min</td> <td>10 min</td> </tr> </table>		1 min	5 min	10 min
1 min	5 min	10 min				
65. METHOD OF DELIVERY 1. Forceps attempted? Yes _____ No _____ Successful Yes _____ No _____ 2. Vacuum extraction attempted? Yes _____ No _____ Successful Yes _____ No _____ 3. Fetal presentation at delivery <input type="checkbox"/> Cephalic <input type="checkbox"/> Breech <input type="checkbox"/> Other 4. Final route and method of delivery (check one) <input type="checkbox"/> Vaginal/spontaneous <input type="checkbox"/> Vaginal/forceps <input type="checkbox"/> Vaginal/vacuum <input type="checkbox"/> Cesarean, if cesarean was a trial of labor attempted? Yes _____ No _____		68. CHARACTERISTICS OF LABOR AND DELIVERY (Check all that apply.) 1. <input type="checkbox"/> Induction of labor 2. <input type="checkbox"/> Augmentation of labor 3. <input type="checkbox"/> Non-vertex presentation 4. <input type="checkbox"/> Steroids (glucocorticoids) for fetal lung maturation received by the mother prior to delivery 5. <input type="checkbox"/> Antibiotics received by the mother during labor 6. <input type="checkbox"/> Clinical chorioamnionitis diagnosed during labor or maternal temperature $\geq 38^{\circ}\text{C}$ (100.4°F) 7. <input type="checkbox"/> Moderate/heavy meconium staining of the amniotic fluid 8. <input type="checkbox"/> Fetal intolerance of labor: (examples: in-utero resuscitative measures, further fetal assessment, or operative delivery) 9. <input type="checkbox"/> Epidural or spinal anesthesia during labor 10. <input type="checkbox"/> None of the above				
		69. MATERNAL MORBIDITY (Check all that apply.) (These are complications associated with labor and delivery.) 1. <input type="checkbox"/> Maternal transfusion 2. <input type="checkbox"/> Third or fourth degree perineal laceration 3. <input type="checkbox"/> Ruptured uterus 4. <input type="checkbox"/> Unplanned hysterectomy 5. <input type="checkbox"/> Admission to intensive care unit 6. <input type="checkbox"/> Unplanned operating room procedure following delivery 7. <input type="checkbox"/> None of the above				
		74. CONGENITAL ANOMALIES OF THE NEWBORN (Check all that apply.) 1. <input type="checkbox"/> Anencephaly 2. <input type="checkbox"/> Meningocele/Spina bifida 3. <input type="checkbox"/> Cyanotic congenital heart disease 4. <input type="checkbox"/> Congenital diaphragmatic hernia 5. <input type="checkbox"/> Omphalocele 6. <input type="checkbox"/> Gastroschisis 7. <input type="checkbox"/> Limb reduction defect (excluding congenital amputation and dwarfing syndromes) 8. <input type="checkbox"/> Cleft Lip with or without Cleft Palate 9. <input type="checkbox"/> Cleft Palate alone 10. <input type="checkbox"/> Down Syndrome <input type="checkbox"/> Karyotype confirmed <input type="checkbox"/> Karyotype pending 11. <input type="checkbox"/> Suspected chromosomal disorder <input type="checkbox"/> Karyotype confirmed <input type="checkbox"/> Karyotype pending 12. <input type="checkbox"/> Hypospadias 13. <input type="checkbox"/> Fetal alcohol syndrome 14. <input type="checkbox"/> Other congenital anomalies (Specify) _____ 15. <input type="checkbox"/> None of the above				

Parent's Telephone Number: _____

CHILD'S NAME _____

MOTHER'S NAME _____

Test required by K.S.A. 65-153f 153G Serological Test Made: _____ 1 st _____ 2 nd _____ 3 rd (Trimester) _____ At Delivery _____ Not Performed If no test made, state reason:	Test required by K.S.A. 65-180 Infant Neonatal Screening specimen taken: _____ Yes _____ No Kit Number _____ If no test made, state reason:	Test required by K.S.A. 65-1157A Newborn Hearing Screening Accomplished: _____ Yes _____ No	
Infant's patient number:			
Infant's Primary Care Physician			
First	Middle	Last	Title (MD, DO, etc.)
If screening accomplished, Date hearing screened _____ / _____ / _____ <div style="text-align: center;">Month Day Year</div>		The results of the hearing screening ✓: Right ear: _____ Pass _____ Refer for further testing Left ear: _____ Pass _____ Refer for further testing	
Physiologic equipment used ✓: _____ OAE _____ AABR _____ ABR			
If screening not accomplished, ✓ one reason: <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> _____ b – missed appointment _____ c – could not test _____ d – deceased _____ i – Incomplete test _____ m – Infant discharged before screening _____ n – transferred to NICU </div> <div style="width: 48%;"> _____ o – other _____ r – did not consent _____ s – scheduled but not completed _____ t – transferred to another hospital _____ u – no information _____ x – invalid results </div> </div>			

TYPE
OR
PRINT IN
PERMANENT
INK

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
Bureau of Epidemiology and Public Health Informatics
Curtis State Office Building, Suite 130
1000 SW Jackson
Topeka, Kansas 66612-1354
785-296-8627

Report of Induced Termination of Pregnancy

State File Number

INSTRUCTIONS SEE HANDBOOK

1. Provider Identification Number			
2. Patient ID Number	3. Age on Last Birthday	4. Married <input type="checkbox"/> Yes <input type="checkbox"/> No	5. Date of Pregnancy Termination Month Day Year
6a. Residence US State or Country	6b. County	6c. City or Town	6d. Inside City Limits <input type="checkbox"/> Yes <input type="checkbox"/> No
7a. Hispanic Origin (Check the box or boxes that best describes whether the individual is Spanish, Hispanic, or Latina, or not Spanish, Hispanic, or Latina)	7b. Ancestry (Enter the name of the country that best describes the heritage or origin of the individual)	8. Race (Check one or more races to indicate what the individual considers herself to be)	9. Education (specify only highest grade completed)
<input type="checkbox"/> Not Spanish, Hispanic, or Latina <input type="checkbox"/> Mexican, Mexican American, or Chicana <input type="checkbox"/> Puerto Rican <input type="checkbox"/> Cuban <input type="checkbox"/> Central American <input type="checkbox"/> South American <input type="checkbox"/> Other Spanish, Hispanic, or Latina (specify) _____ <input type="checkbox"/> Unknown		<input type="checkbox"/> White <input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native Principal Tribe(s) _____ <input type="checkbox"/> Asian Indian <input type="checkbox"/> Chinese <input type="checkbox"/> Filipino <input type="checkbox"/> Japanese <input type="checkbox"/> Korean <input type="checkbox"/> Vietnamese <input type="checkbox"/> Other Asian (specify) _____ <input type="checkbox"/> Native Hawaiian <input type="checkbox"/> Guamanian or Chamorro <input type="checkbox"/> Samoan <input type="checkbox"/> Other Pacific Islander (specify) _____ <input type="checkbox"/> Other (specify) _____ <input type="checkbox"/> Unknown	<input type="checkbox"/> 8th grade or less <input type="checkbox"/> 9th-12th grade no diploma <input type="checkbox"/> High school graduate/GED <input type="checkbox"/> Some College - no degree <input type="checkbox"/> Associate degree <input type="checkbox"/> Bachelor's degree <input type="checkbox"/> Master's degree <input type="checkbox"/> Doctorate <input type="checkbox"/> Unknown
10. Date Last Normal Menses Began Month Day Year	11. Clinical Estimate of Gestation (Weeks) (1)	12. Previous Pregnancies (Enter number or zero in every section)	
		Live Births	
		12a. Now Living	12b. Now Dead
		12c. Previous Induced Abortions	12d. Spontaneous Terminations (Miscarriages, Fetal Deaths)
13. TERMINATION PROCEDURES			
13a. Procedure that terminated pregnancy (Check only one)		13b. Additional procedures used for this termination, if any (Check all that apply)	
<input type="checkbox"/> Suction Curettage <input type="checkbox"/> Sharp Curettage <input type="checkbox"/> Dilation & Evacuation <input type="checkbox"/> Medical Procedure I (Mifepristone) <input type="checkbox"/> Medical Procedure II (Methotrexate) <input type="checkbox"/> Intra-Uterine Prostaglandin Instillation <input type="checkbox"/> Hysterotomy <input type="checkbox"/> Hysterectomy <input type="checkbox"/> Digoxin/Induction <input type="checkbox"/> Partial Birth (2) <input type="checkbox"/> Other (Specify) _____		<input type="checkbox"/> Suction Curettage <input type="checkbox"/> Sharp Curettage <input type="checkbox"/> Dilation & Evacuation <input type="checkbox"/> Medical Procedure I (Mifepristone) <input type="checkbox"/> Medical Procedure II (Methotrexate) <input type="checkbox"/> Intra-Uterine Prostaglandin Instillation <input type="checkbox"/> Hysterotomy <input type="checkbox"/> Hysterectomy <input type="checkbox"/> Digoxin/Induction <input type="checkbox"/> Partial Birth (2) <input type="checkbox"/> Other (Specify) _____	
14. Reasons for determining gestational age - describe methods used			
15. Was Report of physical, mental, or emotional abuse or neglect filed pursuant to K.S.A. 38-2223 YES <input type="checkbox"/> NO <input type="checkbox"/>			

1 If clinical estimate of gestational age is 22 weeks or more, complete reverse side of form

2 If Partial Birth Procedure as defined by KSA 65-6721 is used, complete reverse side of form

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Complete the following items only if the clinical estimate of gestational age is 22 weeks or more

16a Was fetus viable?

☐ YES

☐ NO

16b Reasons for the determination - describe medical reasons and basis; include medical procedure/diagnosis codes

Complete 17a-c only if 16a is yes

17a Was this abortion necessary to
(Check all that apply)

☐ Prevent patient's death

☐ Prevent substantial and irreversible impairment of a major bodily function

17b Reasons for the determination - describe medical reasons and basis; include medical procedure/diagnosis codes

17c Basis for determination - describe medical reasons and basis; include medical procedure/diagnosis codes

Complete the following items only if a partial birth procedure was performed

18a Was fetus viable?

☐ YES

☐ NO

18b Reasons for the determination - describe medical reasons and basis; include medical procedure/diagnosis codes

Complete 19a-b only if 18a is yes

19a Was this abortion necessary to
(Check all that apply)

☐ Prevent patient's death

☐ Prevent substantial and irreversible physical impairment of a major bodily function

19b Reasons for the determination - describe medical reasons and basis; include medical procedure/diagnosis codes